



**BUREAU
VERITAS**

Bureau Veritas Minerals Pty Ltd
MINERAL TESTING & LABORATORY SERVICES

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Reference: **aa077891.b**
Date Finished: 11/05/2026
Order:
Project: Oonagalabi
Date Received: 25/03/2026
Type of Sample: Core
Samples Analysed: **153**

FINAL ANALYSIS REPORT

Analysis of Mineral Samples
for
Litchfield Minerals Ltd
Suite 606, 10 Market Street Brisbane QLD 4000

Attention: Mr Matthew Pustahya

Bureau Veritas Minerals Pty Ltd has carried out the preparation and analysis of samples to the best of its ability and with due regard to the importance of all samples submitted. However, in the event of default by Bureau Veritas Minerals Pty Ltd in providing services as defined by contracts, Bureau Veritas Minerals Pty Ltd shall have no other liability for any negligent act, default, omission or breach of such contract. The liability of our company is limited by our General Terms and Conditions of Service. At all times, the results of analysis must be interpreted as pertaining to the samples as they were received at the laboratory. Where applicable, information describing the submitted sample/s has been supplied by the client or associated third party.

Authorised By:

Vaughn Noble
Senior Chemist

Fabian Gregus
Chemist

Michael Grieger
Chemist

Chris Faulkner
Laboratory Manager



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METHOD CODE	MA102	MA101	MA102	MA101	MA102	MA102	MA101	MA102
Determinants	Ag	Al	As	Ba	Be	Bi	Ca	Cd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	100	1	2	0.5	0.1	100	0.5
BLANK 1	<0.2	<100	<1	<2	<0.5	<0.1	<100	<0.5
SIX0444659	<0.2	8.23%	<1	54	0.5	0.3	7.22%	<0.5
SIX0444659Q	<0.2	7.95%	26	1080	4.0	0.3	2.68%	<0.5
Std Nominal	0.4	6.16%	749	142			2.79%	
Determined	0.2	6.54%	786	144	2.0	0.7	2.95%	0.5
SIX0444660	<0.2	8.31%	2	58	0.5	0.2	7.23%	<0.5
SIX0444661	<0.2	8.26%	<1	156	1.5	0.3	6.35%	<0.5
SIX0444662	<0.2	4.81%	<1	1210	4.0	<0.1	7600	<0.5
SIX0444663	<0.2	5.43%	<1	1950	3.0	1.2	4100	<0.5
SIX0444664	11.2	2.61%	1	318	3.0	73.6	9.14%	35.5
SIX0444665	9.0	7600	<1	16	2.5	48.5	15.4%	71.0
SIX0444666	6.0	2.85%	1	60	4.5	39.6	10.7%	35.5
SIX0444667	3.6	2300	<1	10	2.0	66.6	13.7%	70.0
SIX0444667 Rpt	3.4	2400	<1	12	2.0	70.0	14.1%	70.5
SIX0444668	8.8	1.74%	<1	72	3.0	55.6	12.9%	45.5
SIX0444669	10.6	9800	<1	98	2.5	62.3	15.0%	27.0
SIX0444670	7.0	2.01%	1	42	4.5	25.6	8.38%	20.5
SIX0444671	7.2	2100	<1	4	0.5	60.1	1.27%	14.5
SIX0444672	5.2	4800	<1	26	0.5	31.8	1.56%	19.5
SIX0444673	3.8	5400	<1	20	0.5	26.2	7400	9.0
SIX0444674	2.0	2600	<1	10	1.0	25.5	9500	4.0
SIX0444675	2.2	2900	<1	16	0.5	39.5	9500	4.5
SIX0444676	2.2	1900	<1	4	0.5	30.0	5100	5.5
Std Nominal		7.25%	15					
Determined	0.4	7.07%	12	234	1.5	0.2	5.81%	<0.5
SIX0444677	1.8	4500	<1	34	0.5	53.7	5800	4.0
SIX0444678	1.0	2000	<1	4	0.5	42.2	6300	3.0
SIX0444679	4.0	1800	<1	8	0.5	901	6300	2.0
SIX0444680	0.8	1300	<1	<2	<0.5	81.9	4700	2.0
SIX0444681	1.0	1.25%	<1	40	1.0	38.7	1.16%	2.0
SIX0444682	8.2	5000	<1	22	0.5	51.9	1.05%	21.0
SIX0444682 Rpt	8.6	5000	<1	22	0.5	51.5	1.04%	21.0
SIX0444683	10.4	2000	<1	<2	0.5	81.0	6400	29.0
SIX0444684	7.4	2000	<1	<2	0.5	55.9	9200	18.5
SIX0444684Q	0.2	8.00%	2	538	2.5	0.7	5.91%	<0.5
SIX0444685	1.8	7.42%	<1	62	0.5	18.5	6.45%	6.0
SIX0444686	3.2	3500	<1	20	1.0	40.1	4200	7.5
SIX0444687	1.6	2800	<1	14	1.0	96.0	4100	4.0
SIX0444688	0.2	7.31%	<1	328	3.5	1.2	2.44%	<0.5
SIX0444689	0.4	6.29%	<1	704	2.0	0.6	1.00%	<0.5
SIX0444690	<0.2	6.08%	<1	740	3.0	0.9	1.15%	<0.5



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METHOD CODE	MA102	MA101	MA102	MA101	MA102	MA102	MA101	MA102
Determinants	Ag	Al	As	Ba	Be	Bi	Ca	Cd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	100	1	2	0.5	0.1	100	0.5
SIX0444691	0.2	8.46%	<1	328	1.0	0.6	5.35%	<0.5
SIX0444692	<0.2	8.18%	<1	68	1.0	0.7	7.25%	<0.5
SIX0444693	<0.2	8.48%	<1	82	1.5	0.8	6.75%	<0.5
SIX0444694	0.2	8.44%	<1	130	1.0	0.6	6.84%	<0.5
SIX0444695	0.2	7.67%	<1	58	0.5	0.6	6.69%	<0.5
Std Nominal	6.0	6.83%	96	132		3.5	2.48%	8.0
Determined	5.6	6.79%	97	130	1.0	2.9	2.45%	10.0
SIX0444696	0.4	7.81%	<1	56	0.5	0.4	7.01%	<0.5
SIX0444697	<0.2	7.41%	<1	188	1.0	0.4	6.76%	<0.5
SIX0444698	<0.2	11.3%	<1	230	4.5	0.4	4.66%	<0.5
SIX0444699	<0.2	5.67%	<1	406	4.5	0.2	5900	<0.5
SIX0444700	0.6	2.60%	<1	70	1.0	7.1	6.68%	128
BLANK 2	<0.2	<100	<1	<2	<0.5	<0.1	200	<0.5
SIX0444701	1.4	2700	<1	8	1.0	20.4	15.5%	111
SIX0444702	2.0	3.55%	<1	72	2.0	38.9	7.63%	68.5
SIX0444703	1.2	3100	<1	4	3.5	23.5	2.51%	89.0
SIX0444704	2.0	2.89%	<1	202	16.0	8.7	5.16%	28.0
SIX0444705	8.4	2500	<1	22	2.5	282	6.65%	92.0
Std Nominal								
Determined	<0.2	7.79%	16	324	1.5	NR	1500	0.5
SIX0444706	3.4	1.36%	<1	102	1.0	172	1.37%	4.5
SIX0444707	2.0	1.75%	<1	56	1.5	186	2.55%	2.5
SIX0444708	0.4	6600	<1	32	1.0	34.2	6700	2.0
SIX0444709	1.6	3900	<1	16	<0.5	14.7	18.4%	14.0
SIX0444709Q	9.8	6.69%	194	1630	3.0	13.2	9600	29.5
SIX0444710	0.6	6.12%	2	130	5.5	16.3	5.28%	1.5
SIX0444711	0.2	7.32%	<1	64	2.0	12.2	6.68%	0.5
SIX0444712	0.2	7.34%	<1	88	5.5	33.8	5.87%	0.5
SIX0444712 Rpt	0.2	7.15%	<1	86	5.5	33.5	5.72%	0.5
SIX0444713	<0.2	1.11%	<1	28	3.5	5.4	1.30%	0.5
SIX0444714	<0.2	1500	<1	<2	2.5	0.7	1500	0.5
SIX0444715	<0.2	1600	<1	<2	2.0	0.7	2500	0.5
SIX0444716	0.4	3300	<1	24	1.0	4.0	4900	<0.5
SIX0444717	0.2	5.58%	<1	158	1.5	105	4.57%	0.5
SIX0444718	2.6	7000	<1	38	1.0	16.0	15.4%	44.0
SIX0444719	2.8	3.55%	1	50	8.0	24.0	8.06%	62.5
SIX0444720	2.2	4.05%	<1	88	5.5	19.9	6.86%	17.5
SIX0444721	1.0	2.17%	<1	36	4.5	13.3	4.08%	2.5
SIX0444722	0.8	4500	<1	10	1.5	24.0	3900	3.5
SIX0444723	0.2	1.65%	<1	150	3.0	26.7	2.50%	3.0
SIX0444724	<0.2	1.17%	<1	104	2.0	4.8	3900	1.5



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METHOD CODE	MA102	MA101	MA102	MA101	MA102	MA102	MA101	MA102
Determinants	Ag	Al	As	Ba	Be	Bi	Ca	Cd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	100	1	2	0.5	0.1	100	0.5
SIX0444725	<0.2	1800	<1	<2	2.0	0.6	2000	1.5
SIX0444726	<0.2	4.38%	<1	76	2.5	1.8	3.19%	1.0
Std Nominal	1.6		19		2.5			
Determined	1.4	7.45%	18	920	3.5	2.9	2.81%	<0.5
SIX0444727	0.4	9800	<1	54	1.5	176	1.72%	2.0
SIX0444728	0.2	4.89%	<1	406	2.5	13.2	2.10%	<0.5
SIX0444729	0.4	4.31%	<1	394	2.0	1.2	1.33%	3.5
SIX0444730	0.4	2.33%	<1	138	2.5	1.8	2.21%	15.5
SIX0444731	<0.2	6.44%	<1	666	3.5	0.3	9100	0.5
SIX0444731 Rpt	<0.2	6.34%	<1	648	3.0	0.3	8900	<0.5
SIX0444732	<0.2	5.55%	<1	1040	1.0	<0.1	5400	<0.5
SIX0444733	<0.2	6.52%	<1	588	5.0	0.2	2.01%	<0.5
SIX0444734	<0.2	5.34%	<1	588	2.0	0.2	1.09%	<0.5
SIX0444734Q	11.0	6.77%	138	1850	3.0	9.1	1.17%	86.5
SIX0444735	0.2	7.84%	1	174	1.0	1.0	6.23%	1.0
SIX0444736	<0.2	5.96%	1	1160	2.5	<0.1	5400	<0.5
SIX0444737	<0.2	6.69%	<1	530	2.5	0.3	3.22%	<0.5
Std Nominal	0.4	6.16%	749	142			2.79%	
Determined	0.2	6.35%	757	144	2.0	0.7	2.83%	0.5
SIX0444738	0.4	6.92%	2	708	3.0	0.2	2.57%	<0.5
SIX0444739	<0.2	6.12%	<1	680	2.0	<0.1	1.35%	<0.5
SIX0444740	<0.2	7.93%	1	502	4.0	0.2	5.76%	<0.5
SIX0444741	<0.2	6.12%	<1	638	2.0	<0.1	1.34%	<0.5
SIX0444742	<0.2	6.79%	<1	454	2.0	<0.1	2.18%	<0.5
BLANK 3	<0.2	<100	<1	2	<0.5	<0.1	100	<0.5
SIX0444743	<0.2	7.13%	<1	356	2.0	0.3	4.84%	<0.5
SIX0444744	<0.2	6.33%	<1	688	2.5	<0.1	2.04%	<0.5
SIX0444745	<0.2	6.27%	<1	492	3.0	<0.1	2.32%	<0.5
SIX0444746	<0.2	6.17%	<1	882	1.5	<0.1	1.18%	<0.5
SIX0444747	<0.2	6.75%	<1	614	1.0	<0.1	1.93%	<0.5
SIX0444748	0.2	7.01%	<1	346	1.5	<0.1	1.23%	<0.5
SIX0444749	<0.2	7.74%	<1	284	1.5	0.2	4.77%	<0.5
SIX0444749 Rpt	<0.2	7.67%	<1	280	1.5	0.2	4.71%	<0.5
SIX0444750	<0.2	6.64%	<1	648	2.0	<0.1	1.43%	<0.5
SIX0444751	<0.2	6.81%	<1	528	1.5	<0.1	1.74%	<0.5
SIX0444752	<0.2	7.38%	<1	480	2.0	<0.1	3.19%	<0.5
Std Nominal		7.25%	15					
Determined	0.2	7.43%	11	242	1.0	0.2	6.04%	<0.5
SIX0444753	<0.2	7.27%	<1	496	2.0	<0.1	1.67%	<0.5
SIX0444754	<0.2	7.24%	<1	292	1.5	0.2	3.27%	<0.5
SIX0444755	<0.2	7.51%	<1	162	2.5	0.2	4.77%	<0.5



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METHOD CODE	MA102	MA101	MA102	MA101	MA102	MA102	MA101	MA102
Determinants	Ag	Al	As	Ba	Be	Bi	Ca	Cd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	100	1	2	0.5	0.1	100	0.5
SIX0444756	<0.2	7.75%	<1	128	1.5	0.2	5.81%	<0.5
SIX0444757	<0.2	8.14%	<1	202	3.0	0.2	4.94%	<0.5
SIX0444758	<0.2	7.18%	<1	654	2.5	<0.1	2.21%	<0.5
SIX0444759	0.2	6.94%	<1	442	2.5	<0.1	2.32%	<0.5
SIX0444759Q	<0.2	7.70%	2	516	2.5	<0.1	5.70%	<0.5
SIX0444760	<0.2	5.81%	<1	598	1.5	<0.1	1.65%	<0.5
SIX0444761	<0.2	6.76%	<1	630	2.0	<0.1	2.10%	<0.5
SIX0444762	<0.2	7.29%	<1	904	2.5	<0.1	1.77%	<0.5
SIX0444763	<0.2	7.84%	<1	756	2.5	<0.1	2.60%	<0.5
SIX0444764	<0.2	7.55%	<1	794	3.0	<0.1	1.86%	<0.5
SIX0444765	<0.2	7.33%	<1	528	2.0	<0.1	1.68%	<0.5
SIX0444766	<0.2	7.27%	<1	620	2.5	<0.1	3.07%	<0.5
SIX0444767	0.2	8.35%	<1	438	3.5	0.2	3.62%	<0.5
Std Nominal	6.0	6.83%	96	132		3.5	2.48%	8.0
Determined	5.4	6.69%	100	130	1.0	3.1	2.44%	10.0
SIX0444768	0.2	8.37%	<1	602	4.5	<0.1	2.11%	<0.5
SIX0444769	<0.2	8.26%	<1	296	4.0	<0.1	2.79%	<0.5
SIX0444770	<0.2	7.83%	<1	506	2.5	<0.1	2.11%	<0.5
SIX0444771	<0.2	6.63%	<1	724	1.0	<0.1	1.20%	<0.5
SIX0444772	<0.2	7.31%	1	844	2.0	<0.1	1.67%	<0.5
SIX0444773	<0.2	8.20%	<1	786	3.5	<0.1	1.84%	<0.5
SIX0444774	<0.2	7.41%	<1	582	3.0	<0.1	2.16%	<0.5
SIX0444775	<0.2	8.07%	<1	550	3.5	<0.1	2.20%	<0.5
SIX0444776	<0.2	7.07%	<1	640	2.0	<0.1	1.51%	<0.5
SIX0444777	<0.2	7.01%	<1	636	2.0	<0.1	1.51%	<0.5
SIX0444778	<0.2	7.15%	<1	812	2.0	<0.1	1.73%	<0.5
SIX0444779	<0.2	6.45%	<1	516	1.5	<0.1	2.68%	<0.5
SIX0444779 Rpt	<0.2	6.37%	<1	514	1.5	<0.1	2.66%	<0.5
SIX0444780	<0.2	6.86%	<1	468	2.0	<0.1	2.53%	<0.5
SIX0444781	<0.2	6.55%	<1	314	2.5	<0.1	2.55%	<0.5
Std Nominal								
Determined	<0.2	7.89%	16	332	1.5	0.2	1500	<0.5
SIX0444782	<0.2	6.64%	<1	254	3.0	<0.1	3.72%	<0.5
SIX0444783	<0.2	6.76%	<1	258	2.5	<0.1	4.82%	<0.5
SIX0444784	<0.2	6.38%	<1	534	2.0	<0.1	2.99%	<0.5
SIX0444784Q	62.2	5.25%	306	1200	2.0	45.8	7600	271
BLANK 4	0.4	<100	<1	<2	<0.5	<0.1	<100	<0.5
SIX0444785	0.2	6.45%	<1	460	2.0	0.2	3.17%	<0.5
SIX0444786	<0.2	6.61%	<1	402	2.0	<0.1	3.60%	<0.5
SIX0444787	<0.2	6.93%	<1	470	2.5	<0.1	3.03%	<0.5
SIX0444788	0.6	6.54%	<1	248	1.5	<0.1	1.13%	<0.5



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METHOD CODE	MA102	MA101	MA102	MA101	MA102	MA102	MA101	MA102
Determinants	Ag	Al	As	Ba	Be	Bi	Ca	Cd
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.2	100	1	2	0.5	0.1	100	0.5
SIX0444789	0.2	6.70%	<1	384	2.5	<0.1	2.31%	<0.5
SIX0444790	<0.2	7.17%	<1	534	1.5	<0.1	3.13%	<0.5
SIX0444791	<0.2	7.06%	<1	272	1.5	<0.1	2.88%	<0.5
Std Nominal	1.6		19		2.5			
Determined	1.4	7.22%	22	892	3.0	3.0	2.72%	<0.5
SIX0444792	0.6	6.59%	<1	308	2.0	<0.1	1.84%	<0.5
SIX0444793	0.2	7.04%	<1	386	2.0	<0.1	1.82%	<0.5
SIX0444794	<0.2	7.27%	<1	742	2.0	0.2	1.91%	<0.5
SIX0444794 Rpt	0.2	7.10%	<1	734	2.0	0.3	1.87%	<0.5
SIX0444795	0.4	6.70%	<1	484	3.0	<0.1	2.69%	<0.5
SIX0444796	<0.2	6.74%	<1	320	2.5	<0.1	2.34%	<0.5
SIX0444797	<0.2	6.45%	<1	740	2.0	<0.1	1.55%	<0.5
SIX0444798	<0.2	6.73%	<1	430	1.5	<0.1	1.74%	<0.5
SIX0444799	<0.2	6.63%	<1	224	1.0	<0.1	1.03%	<0.5
SIX0444800	0.4	5.78%	<1	566	3.0	<0.1	1.40%	<0.5
Std Nominal	0.4	6.16%	749	142			2.79%	
Determined	<0.2	6.26%	806	144	2.0	0.7	2.81%	0.5
SIX0444801	<0.2	7.03%	1	200	2.5	0.3	3.84%	<0.5
SIX0444802	<0.2	6.13%	<1	242	3.0	0.2	7.17%	<0.5
SIX0444803	<0.2	5.73%	<1	484	3.5	<0.1	5.37%	<0.5
SIX0444803 Rpt	<0.2	5.75%	<1	482	3.5	<0.1	5.43%	<0.5
SIX0444804	<0.2	5.52%	<1	600	1.5	<0.1	1.45%	<0.5
SIX0444805	<0.2	5.74%	<1	722	1.5	<0.1	8600	<0.5
Std Nominal		7.25%	15					
Determined	0.2	7.51%	10	246	1.0	<0.1	6.10%	<0.5



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METHOD CODE	MA102	MA101	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	Co	Cr	Cs	Cu	Fe	Ga	Hf	In
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	10	0.1	2	100	0.2	0.2	0.05
BLANK 1	<1	<10	<0.1	<2	<100	<0.2	<0.2	<0.05
SIX0444659	65	70	<0.1	82	10.1%	17.8	0.8	0.10
SIX0444659Q	13	40	15.2	44	3.77%	20.0	3.0	0.05
Std Nominal	160	2060		120	9.79%			
Determined	169	1380	2.3	126	9.80%	14.2	1.2	0.15
SIX0444660	66	60	<0.1	86	10.9%	18.4	0.8	0.10
SIX0444661	55	50	0.3	118	9.26%	19.6	1.2	0.10
SIX0444662	4	<10	0.7	8	1.96%	15.0	3.8	0.10
SIX0444663	2	<10	0.4	50	1.08%	15.4	4.6	0.05
SIX0444664	45	<10	1.4	2.17%	9.13%	14.6	1.6	2.50
SIX0444665	20	<10	<0.1	1.58%	5.95%	5.8	0.2	3.75
SIX0444666	23	<10	0.4	9180	7.34%	14.6	1.0	2.25
SIX0444667	13	<10	0.3	4180	3.46%	4.8	<0.2	2.10
SIX0444667 Rpt	13	<10	0.2	4230	3.53%	4.6	<0.2	2.15
SIX0444668	19	<10	1.2	1.56%	5.16%	8.8	0.4	2.20
SIX0444669	19	<10	1.9	2.00%	5.44%	8.6	0.4	1.85
SIX0444670	20	<10	0.3	1.55%	7.72%	10.4	0.4	1.65
SIX0444671	21	<10	0.2	1.08%	9.73%	4.8	<0.2	1.05
SIX0444672	21	<10	0.9	1.12%	10.8%	6.2	<0.2	1.40
SIX0444673	24	<10	0.5	9240	11.9%	5.0	<0.2	0.85
SIX0444674	29	<10	0.3	4270	12.9%	7.2	<0.2	0.70
SIX0444675	23	<10	0.4	4250	12.3%	5.8	<0.2	0.65
SIX0444676	18	<10	<0.1	4900	11.7%	4.2	<0.2	0.65
Std Nominal	157	230		316	9.63%			
Determined	156	180	0.8	328	9.62%	18.6	3.2	0.10
SIX0444677	20	<10	0.6	4870	11.4%	6.4	<0.2	1.00
SIX0444678	19	<10	<0.1	1790	9.88%	4.8	<0.2	0.75
SIX0444679	18	<10	0.2	886	9.75%	3.6	<0.2	0.30
SIX0444680	19	<10	<0.1	584	9.20%	3.4	<0.2	0.60
SIX0444681	36	50	0.3	3470	12.5%	6.4	0.4	0.90
SIX0444682	34	<10	0.6	2.69%	13.9%	12.0	<0.2	3.35
SIX0444682 Rpt	34	<10	0.7	2.63%	13.7%	12.2	<0.2	3.35
SIX0444683	35	<10	<0.1	3.14%	16.0%	8.6	<0.2	3.75
SIX0444684	26	<10	<0.1	1.83%	13.3%	9.0	<0.2	2.40
SIX0444684Q	46	140	1.2	52	8.36%	22.6	4.4	0.10
SIX0444685	42	120	<0.1	5940	10.4%	19.6	0.8	1.15
SIX0444686	31	<10	0.8	9930	12.9%	10.8	<0.2	1.45
SIX0444687	24	<10	0.3	4400	12.4%	8.4	<0.2	0.75
SIX0444688	25	40	2.8	194	6.27%	22.2	3.6	0.15
SIX0444689	5	<10	1.2	68	2.47%	20.2	7.2	0.10
SIX0444690	8	<10	0.6	46	2.80%	19.0	6.6	0.10



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METHOD CODE	MA102	MA101	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	Co	Cr	Cs	Cu	Fe	Ga	Hf	In
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	10	0.1	2	100	0.2	0.2	0.05
SIX0444691	53	60	1.7	142	9.52%	24.6	1.4	0.15
SIX0444692	64	70	0.3	132	11.1%	19.4	1.0	0.10
SIX0444693	59	60	0.3	66	9.55%	20.2	1.0	0.15
SIX0444694	61	90	0.8	114	10.4%	20.8	1.0	0.10
SIX0444695	69	90	<0.1	154	11.8%	19.4	0.8	0.10
Std Nominal	43	220		1520	8.65%			
Determined	45	160	16.1	1520	8.46%	20.0	2.4	0.65
SIX0444696	67	80	<0.1	150	12.0%	19.6	1.0	0.10
SIX0444697	55	180	0.2	90	10.5%	20.2	0.6	0.10
SIX0444698	17	20	1.7	30	3.47%	30.4	1.0	0.05
SIX0444699	4	<10	0.8	12	2.56%	20.6	8.8	0.10
SIX0444700	44	50	1.0	1720	8.99%	13.6	0.8	6.05
BLANK 2	<1	<10	<0.1	<2	<100	<0.2	<0.2	<0.05
SIX0444701	30	<10	<0.1	4440	5.07%	5.4	<0.2	3.40
SIX0444702	30	90	<0.1	3500	15.9%	16.6	1.2	0.50
SIX0444703	31	<10	<0.1	3580	18.4%	8.6	<0.2	0.80
SIX0444704	29	130	2.2	8110	15.4%	24.8	1.6	1.20
SIX0444705	29	<10	<0.1	8970	10.3%	4.6	<0.2	2.50
Std Nominal								
Determined	88	570	2.3	784	19.7%	21.2	3.6	0.10
SIX0444706	22	20	3.5	2710	9.01%	8.8	0.2	0.35
SIX0444707	31	170	1.6	1750	9.53%	11.2	0.4	0.35
SIX0444708	26	10	1.5	320	11.9%	14.8	<0.2	0.15
SIX0444709	9	<10	<0.1	2000	2.44%	1.8	<0.2	0.40
SIX0444709Q	32	20	6.4	1.75%	5.05%	19.8	4.8	2.70
SIX0444710	29	30	3.3	192	7.04%	17.2	1.2	0.15
SIX0444711	59	50	1.2	98	10.7%	18.6	1.2	0.10
SIX0444712	49	60	2.6	110	10.1%	18.4	1.4	0.10
SIX0444712 Rpt	48	50	2.6	106	9.87%	18.4	1.4	0.15
SIX0444713	21	20	0.7	4	9.76%	6.2	0.4	0.10
SIX0444714	15	<10	<0.1	<2	10.0%	2.0	<0.2	0.05
SIX0444715	16	<10	<0.1	<2	11.7%	2.8	<0.2	0.05
SIX0444716	20	<10	0.2	60	12.6%	4.8	<0.2	0.05
SIX0444717	42	80	1.9	126	11.3%	22.8	1.2	0.15
SIX0444718	4	<10	1.5	846	1.97%	3.4	<0.2	0.15
SIX0444719	7	<10	2.2	2320	3.44%	12.8	0.6	0.85
SIX0444720	6	<10	2.7	2030	3.58%	16.4	0.8	0.35
SIX0444721	9	<10	1.7	1180	4.60%	9.4	0.6	0.15
SIX0444722	19	<10	0.9	2170	8.52%	5.6	<0.2	0.25
SIX0444723	16	20	2.3	556	9.08%	11.6	1.6	0.20
SIX0444724	20	<10	1.3	168	11.7%	7.2	1.2	0.25



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METHOD CODE	MA102	MA101	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	Co	Cr	Cs	Cu	Fe	Ga	Hf	In
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	10	0.1	2	100	0.2	0.2	0.05
SIX0444725	19	<10	<0.1	8	11.1%	1.6	<0.2	0.15
SIX0444726	41	70	0.3	156	12.1%	13.0	1.2	0.10
Std Nominal	17	80		5310	4.87%			
Determined	17	60	9.5	5360	5.59%	17.8	2.4	0.40
SIX0444727	19	<10	1.0	1130	10.8%	12.4	<0.2	0.30
SIX0444728	22	20	1.5	144	6.91%	20.8	5.2	0.20
SIX0444729	9	10	1.2	658	5.88%	20.2	9.6	0.25
SIX0444730	5	<10	2.2	250	5.57%	11.4	2.0	0.15
SIX0444731	3	<10	1.0	60	3.82%	22.6	7.0	0.15
SIX0444731 Rpt	3	<10	1.0	56	3.76%	23.0	7.0	0.15
SIX0444732	3	<10	0.6	10	3.12%	20.6	8.6	0.15
SIX0444733	17	10	0.7	100	5.15%	25.2	9.0	0.30
SIX0444734	8	10	0.9	22	4.80%	23.0	11.4	0.15
SIX0444734Q	4	10	5.9	1710	4.12%	20.2	6.4	2.20
SIX0444735	56	50	1.5	70	9.52%	18.8	2.0	0.15
SIX0444736	5	<10	0.7	14	3.33%	20.8	6.8	0.15
SIX0444737	24	30	1.4	38	5.29%	21.0	3.6	0.15
Std Nominal	160	2060		120	9.79%			
Determined	167	1620	2.2	118	9.63%	13.8	1.4	0.10
SIX0444738	20	30	1.2	30	5.77%	21.0	6.0	0.15
SIX0444739	4	<10	0.9	4	2.62%	19.4	5.6	0.10
SIX0444740	23	30	1.8	34	5.73%	24.0	3.0	0.15
SIX0444741	4	<10	1.0	16	2.42%	20.2	6.0	0.10
SIX0444742	13	20	0.9	20	3.41%	17.8	3.0	0.10
BLANK 3	<1	<10	<0.1	<2	<100	<0.2	<0.2	<0.05
SIX0444743	29	50	0.4	28	6.18%	20.4	2.4	0.10
SIX0444744	9	10	1.6	12	3.59%	21.8	4.2	0.10
SIX0444745	9	10	1.3	4	4.99%	24.8	6.4	0.25
SIX0444746	5	<10	1.1	4	2.68%	19.8	7.0	0.10
SIX0444747	12	30	1.2	14	3.22%	17.8	4.4	0.05
SIX0444748	3	<10	1.1	8	1.49%	17.0	3.6	<0.05
SIX0444749	36	80	2.0	38	6.48%	18.4	2.2	0.10
SIX0444749 Rpt	36	70	2.0	36	6.41%	18.2	1.8	0.05
SIX0444750	6	<10	1.6	6	2.49%	19.8	5.2	0.10
SIX0444751	8	20	1.2	8	2.27%	18.8	3.6	0.05
SIX0444752	21	50	2.3	42	5.96%	23.8	3.0	0.10
Std Nominal	157	230		316	9.63%			
Determined	159	180	0.8	330	10.0%	19.8	3.4	0.05
SIX0444753	9	20	2.2	12	2.94%	20.2	2.8	<0.05
SIX0444754	22	50	1.6	24	4.14%	18.2	2.0	0.05
SIX0444755	36	120	2.7	34	6.39%	21.2	1.6	0.20



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METHOD CODE	MA102	MA101	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	Co	Cr	Cs	Cu	Fe	Ga	Hf	In
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	10	0.1	2	100	0.2	0.2	0.05
SIX0444756	49	170	2.5	52	7.53%	19.6	1.6	0.15
SIX0444757	38	130	3.4	36	6.87%	22.0	1.6	0.15
SIX0444758	13	30	2.9	12	3.86%	21.4	3.8	0.10
SIX0444759	12	30	2.2	8	3.38%	22.0	3.6	0.10
SIX0444759Q	46	120	1.1	36	8.05%	23.0	4.6	0.05
SIX0444760	8	<10	1.4	12	2.96%	17.8	3.6	0.05
SIX0444761	12	40	2.0	22	3.99%	21.0	3.2	0.10
SIX0444762	11	20	2.6	4	3.95%	22.8	2.4	0.10
SIX0444763	20	50	3.3	32	5.76%	24.4	2.2	0.10
SIX0444764	17	40	2.9	22	5.44%	23.6	1.4	0.10
SIX0444765	9	20	2.5	6	3.41%	22.0	2.6	0.05
SIX0444766	12	10	4.4	20	3.86%	22.0	3.0	0.10
SIX0444767	27	40	7.9	58	6.56%	25.2	3.2	0.10
Std Nominal	43	220		1520	8.65%			
Determined	46	130	16.8	1500	8.37%	20.4	2.6	0.65
SIX0444768	16	30	3.9	56	5.21%	28.2	2.0	0.10
SIX0444769	20	40	3.2	60	5.59%	27.6	2.2	0.15
SIX0444770	18	20	4.1	28	5.03%	23.6	2.4	0.10
SIX0444771	5	10	2.0	2	1.94%	17.2	2.4	<0.05
SIX0444772	10	20	2.5	8	3.81%	22.4	2.2	0.10
SIX0444773	16	30	2.8	10	5.48%	26.2	1.6	0.15
SIX0444774	16	20	2.5	26	4.77%	25.8	2.8	0.15
SIX0444775	18	30	2.9	32	5.42%	27.2	2.8	0.10
SIX0444776	9	10	1.5	4	3.16%	21.6	3.0	0.05
SIX0444777	9	10	1.2	12	3.64%	22.8	4.8	0.05
SIX0444778	8	10	1.2	6	2.74%	19.8	3.8	0.05
SIX0444779	17	10	0.9	34	6.12%	21.6	4.2	0.15
SIX0444779 Rpt	17	10	0.9	34	6.09%	21.8	4.0	0.15
SIX0444780	16	30	1.1	18	4.28%	19.4	3.0	0.05
SIX0444781	19	40	2.4	10	5.15%	22.4	3.4	0.10
Std Nominal								
Determined	89	620	2.4	782	20.1%	22.2	4.2	0.10
SIX0444782	26	50	1.0	36	6.53%	21.6	3.6	0.15
SIX0444783	36	40	0.7	46	8.55%	22.0	3.0	0.15
SIX0444784	21	20	0.9	36	6.95%	22.0	3.4	0.15
SIX0444784Q	8	<10	5.1	4610	6.70%	18.6	4.4	9.40
BLANK 4	<1	<10	<0.1	4	<100	<0.2	<0.2	<0.05
SIX0444785	24	30	0.9	36	7.39%	22.4	4.2	0.15
SIX0444786	25	30	0.8	32	7.36%	21.2	4.0	0.20
SIX0444787	18	10	0.9	20	5.25%	21.2	3.8	0.10
SIX0444788	5	<10	0.8	<2	2.12%	20.2	4.4	0.05



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METHOD CODE	MA102	MA101	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	Co	Cr	Cs	Cu	Fe	Ga	Hf	In
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	1	10	0.1	2	100	0.2	0.2	0.05
SIX0444789	12	20	1.3	10	3.83%	21.0	4.6	0.10
SIX0444790	21	30	0.9	20	5.54%	20.8	4.0	0.10
SIX0444791	17	30	0.4	18	3.88%	19.6	2.6	0.05
Std Nominal	17	80		5310	4.87%			
Determined	17	60	10.1	5170	5.41%	18.6	2.8	0.40
SIX0444792	7	<10	0.6	16	2.61%	19.2	2.8	0.15
SIX0444793	6	<10	0.5	14	1.68%	18.2	2.8	<0.05
SIX0444794	13	10	0.9	110	3.77%	20.8	3.2	0.15
SIX0444794 Rpt	13	10	1.0	108	3.71%	20.8	3.4	0.15
SIX0444795	18	20	1.2	24	6.61%	22.6	4.8	0.15
SIX0444796	12	10	0.9	12	4.57%	21.6	4.0	0.10
SIX0444797	7	<10	1.4	14	3.59%	20.4	4.6	0.10
SIX0444798	9	20	1.3	10	2.79%	19.2	3.6	0.05
SIX0444799	<1	<10	0.4	<2	7900	16.8	2.8	<0.05
SIX0444800	6	<10	1.3	4	4.38%	24.4	10.6	0.15
Std Nominal	160	2060		120	9.79%			
Determined	172	1160	2.3	118	9.51%	14.0	1.6	0.15
SIX0444801	28	50	1.1	12	6.40%	19.8	4.4	0.15
SIX0444802	23	20	2.5	28	5.48%	19.2	4.0	0.15
SIX0444803	22	10	6.0	4	8.59%	24.4	5.8	0.10
SIX0444803 Rpt	22	10	6.1	2	8.66%	24.8	5.8	0.15
SIX0444804	4	<10	2.1	6	2.60%	16.8	3.2	<0.05
SIX0444805	2	<10	0.6	<2	2.13%	18.6	4.4	0.05
Std Nominal	157	230		316	9.63%			
Determined	156	200	0.9	312	10.1%	19.8	3.4	0.05



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METHOD CODE	MA101	MA101	MA101	MA101	MA102	MA101	MA102	MA101
Determinants	K	Li	Mg	Mn	Mo	Na	Nb	Ni
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	100	10	100	2	0.5	100	0.5	2
BLANK 1	<100	<10	<100	<2	<0.5	<100	<0.5	<2
SIX0444659	3300	<10	4.51%	1690	<0.5	1.69%	2.5	114
SIX0444659Q	3.30%	20	1.35%	570	3.0	2.05%	19.5	38
Std Nominal	5600		6.85%	2380		6300		1180
Determined	5600	<10	6.91%	2440	1.0	6500	2.5	1250
SIX0444660	3600	<10	4.40%	1730	<0.5	1.77%	3.0	124
SIX0444661	5000	<10	3.72%	1630	0.5	1.82%	6.0	98
SIX0444662	2.08%	<10	1.72%	664	9.0	1.44%	12.0	4
SIX0444663	4.67%	<10	6600	324	8.5	1.27%	11.5	6
SIX0444664	8000	<10	7.21%	5720	26.0	3300	6.0	12
SIX0444665	400	<10	8.82%	5130	2.0	1900	1.0	<2
SIX0444666	3400	<10	6.46%	5490	4.5	7100	10.0	<2
SIX0444667	500	<10	10.2%	4260	12.0	1000	<0.5	<2
SIX0444667 Rpt	500	<10	10.5%	4360	11.5	1000	<0.5	<2
SIX0444668	3300	<10	9.38%	3470	2.0	4600	3.0	<2
SIX0444669	3600	<10	9.90%	2520	0.5	1700	2.0	<2
SIX0444670	2100	10	10.7%	3870	25.0	4400	5.0	<2
SIX0444671	400	10	14.2%	4050	3.0	1300	<0.5	<2
SIX0444672	2600	<10	13.5%	4890	3.0	1700	1.5	<2
SIX0444673	1900	<10	13.8%	3810	2.0	2300	1.0	<2
SIX0444674	900	<10	14.7%	3830	1.0	1700	<0.5	<2
SIX0444675	1500	<10	14.6%	3540	0.5	1500	1.0	<2
SIX0444676	400	<10	15.3%	3060	0.5	1300	<0.5	<2
Std Nominal			4.05%					6930
Determined	5900	<10	3.88%	1090	1.5	2.19%	16.5	6920
SIX0444677	3200	<10	15.3%	3070	1.0	1500	1.5	2
SIX0444678	300	10	15.7%	2230	1.5	1500	<0.5	<2
SIX0444679	700	20	16.2%	2160	12.0	1300	<0.5	<2
SIX0444680	<100	20	15.8%	2060	3.0	1200	<0.5	<2
SIX0444681	1800	<10	12.9%	3410	3.0	4800	2.0	16
SIX0444682	2000	<10	13.0%	2970	20.0	2100	<0.5	<2
SIX0444682 Rpt	2000	10	12.9%	2930	20.5	2100	<0.5	<2
SIX0444683	<100	<10	13.5%	3400	2.5	1300	<0.5	2
SIX0444684	<100	<10	12.8%	3150	0.5	1300	<0.5	<2
SIX0444684Q	1.73%	<10	4.65%	1230	4.0	2.40%	39.5	138
SIX0444685	2200	<10	4.72%	1360	0.5	1.88%	1.5	80
SIX0444686	1600	<10	11.7%	2830	1.5	1200	<0.5	2
SIX0444687	1200	<10	13.4%	3070	0.5	1200	<0.5	<2
SIX0444688	1.82%	<10	2.91%	1310	2.5	1.94%	17.0	44
SIX0444689	2.08%	<10	1.22%	564	5.5	2.71%	16.5	8
SIX0444690	1.85%	<10	1.55%	518	8.5	2.27%	15.0	10



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METHOD CODE	MA101	MA101	MA101	MA101	MA102	MA101	MA102	MA101
Determinants	K	Li	Mg	Mn	Mo	Na	Nb	Ni
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	100	10	100	2	0.5	100	0.5	2
SIX0444691	1.02%	<10	3.76%	1530	4.5	2.05%	12.5	68
SIX0444692	4600	<10	4.31%	1950	<0.5	1.73%	5.0	100
SIX0444693	4700	<10	4.02%	1640	<0.5	1.94%	6.0	94
SIX0444694	5400	<10	4.20%	1720	<0.5	1.82%	7.0	100
SIX0444695	3500	<10	4.54%	2040	<0.5	1.75%	3.5	98
Std Nominal	2.35%		1.77%	1180	54.0	1.30%		74
Determined	2.35%	<10	1.65%	1180	63.5	1.29%	4.0	70
SIX0444696	3200	<10	4.52%	1990	<0.5	1.67%	4.0	98
SIX0444697	4000	<10	4.06%	1580	0.5	1.65%	5.5	156
SIX0444698	8500	<10	1.43%	840	0.5	3.49%	6.0	28
SIX0444699	1.17%	<10	2.21%	866	1.0	1.73%	14.0	2
SIX0444700	3100	<10	8.13%	4580	14.5	6000	3.5	56
BLANK 2	<100	<10	100	2	<0.5	<100	<0.5	<2
SIX0444701	<100	<10	9.88%	4170	1.5	400	<0.5	<2
SIX0444702	2400	<10	7.09%	9220	2.5	4400	4.5	26
SIX0444703	400	<10	8.41%	1.18%	3.5	1500	<0.5	<2
SIX0444704	8500	10	8.86%	4950	3.0	8600	7.0	2
SIX0444705	300	<10	11.6%	5910	4.0	1200	<0.5	<2
Std Nominal								
Determined	2000	<10	NR	410	1.5	1200	14.5	420
SIX0444706	8700	<10	10.7%	2200	1.5	2700	4.0	6
SIX0444707	4800	<10	12.2%	1740	0.5	4800	4.0	62
SIX0444708	4600	<10	15.0%	1590	0.5	1500	1.0	8
SIX0444709	400	<10	13.5%	3000	4.0	1200	<0.5	<2
SIX0444709Q	2.77%	20	3700	1690	24.5	1.98%	14.5	12
SIX0444710	8900	<10	5.94%	1250	3.0	1.79%	7.0	42
SIX0444711	4600	<10	5.35%	1710	0.5	1.77%	5.0	98
SIX0444712	7900	<10	5.18%	1410	1.5	2.04%	5.5	88
SIX0444712 Rpt	7700	<10	5.06%	1360	1.5	2.00%	6.0	82
SIX0444713	2400	10	15.0%	742	<0.5	3600	2.5	16
SIX0444714	<100	10	16.7%	702	<0.5	1200	<0.5	<2
SIX0444715	100	<10	15.8%	836	<0.5	1200	<0.5	<2
SIX0444716	600	10	15.2%	656	<0.5	1700	<0.5	<2
SIX0444717	7000	<10	6.33%	1590	1.0	1.36%	6.5	76
SIX0444718	3500	<10	13.8%	2960	0.5	1000	2.5	<2
SIX0444719	5700	<10	13.4%	2360	12.5	6000	9.0	<2
SIX0444720	8300	<10	11.1%	1980	3.0	1.40%	13.0	<2
SIX0444721	4200	<10	17.7%	2140	13.0	7100	3.5	<2
SIX0444722	2500	10	16.8%	1580	1.0	1500	1.5	<2
SIX0444723	1.24%	<10	13.0%	2740	8.5	2900	8.5	2
SIX0444724	8300	20	12.8%	2770	<0.5	2700	5.5	<2



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METHOD CODE	MA101	MA101	MA101	MA101	MA102	MA101	MA102	MA101
Determinants	K	Li	Mg	Mn	Mo	Na	Nb	Ni
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	100	10	100	2	0.5	100	0.5	2
SIX0444725	<100	<10	15.8%	2810	<0.5	1300	<0.5	<2
SIX0444726	2600	<10	9.41%	2590	<0.5	1.00%	4.0	84
Std Nominal	3.07%			552	319			38
Determined	3.10%	20	1.52%	582	335	2.05%	15.0	38
SIX0444727	7200	20	14.8%	1980	2.0	2900	1.0	<2
SIX0444728	1.26%	20	5.42%	1190	7.0	1.09%	16.5	36
SIX0444729	1.28%	<10	3.14%	1120	4.5	1.38%	21.5	2
SIX0444730	1.15%	20	8.11%	1960	9.0	2700	8.5	4
SIX0444731	1.73%	20	2.67%	902	3.0	2.25%	19.5	<2
SIX0444731 Rpt	1.69%	10	2.62%	902	3.0	2.21%	19.0	2
SIX0444732	3.40%	<10	1.11%	452	4.0	1.50%	29.5	12
SIX0444733	1.31%	<10	1.04%	938	1.5	2.25%	28.5	16
SIX0444734	1.93%	<10	1.43%	796	1.5	1.54%	30.5	10
SIX0444734Q	2.86%	<10	2600	4190	12.5	1.94%	15.5	6
SIX0444735	8300	<10	4.00%	1500	<0.5	1.86%	6.0	106
SIX0444736	3.13%	<10	1.09%	506	1.0	2.05%	19.5	6
SIX0444737	1.59%	<10	2.03%	952	1.0	2.07%	13.5	40
Std Nominal	5600		6.85%	2380		6300		1180
Determined	5400	<10	6.76%	2410	1.0	6500	2.5	1200
SIX0444738	2.39%	<10	2.07%	1070	1.5	1.88%	19.5	40
SIX0444739	2.98%	<10	6900	1370	1.0	1.98%	16.5	6
SIX0444740	1.63%	<10	1.79%	2890	1.0	1.98%	13.5	42
SIX0444741	3.49%	<10	4800	438	0.5	1.65%	14.5	6
SIX0444742	3.37%	<10	1.04%	632	0.5	1.79%	9.5	20
BLANK 3	<100	<10	<100	2	<0.5	200	<0.5	<2
SIX0444743	2.15%	<10	2.36%	1210	0.5	2.00%	9.0	60
SIX0444744	2.07%	<10	1.20%	766	0.5	1.75%	19.0	10
SIX0444745	1.59%	<10	1.86%	1290	0.5	1.63%	22.0	10
SIX0444746	4.11%	<10	7100	452	1.0	1.36%	18.0	4
SIX0444747	4.09%	<10	1.10%	442	<0.5	1.67%	11.0	38
SIX0444748	4.36%	<10	3200	234	<0.5	1.88%	8.0	4
SIX0444749	2.04%	<10	2.82%	1180	1.5	1.96%	7.0	88
SIX0444749 Rpt	2.01%	<10	2.76%	1160	1.5	1.96%	6.5	88
SIX0444750	3.60%	<10	7100	622	1.0	1.75%	15.5	10
SIX0444751	3.56%	<10	7100	374	0.5	1.94%	11.5	20
SIX0444752	2.26%	<10	1.71%	1410	2.0	1.90%	15.0	44
Std Nominal			4.05%					6930
Determined	6300	<10	4.07%	1130	1.5	2.30%	16.5	7180
SIX0444753	3.74%	<10	6300	414	0.5	1.98%	13.0	22
SIX0444754	3.10%	<10	1.76%	690	0.5	1.90%	6.5	44
SIX0444755	1.32%	<10	3.04%	1350	3.0	2.00%	9.5	74



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METHOD CODE	MA101	MA101	MA101	MA101	MA102	MA101	MA102	MA101
Determinants	K	Li	Mg	Mn	Mo	Na	Nb	Ni
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	100	10	100	2	0.5	100	0.5	2
SIX0444756	1.14%	<10	4.27%	1490	2.0	1.92%	8.5	116
SIX0444757	1.47%	<10	3.47%	1360	1.0	1.90%	14.5	90
SIX0444758	3.11%	<10	1.13%	728	0.5	1.86%	15.5	18
SIX0444759	2.72%	<10	1.22%	616	1.0	2.09%	19.5	22
SIX0444759Q	1.67%	<10	4.57%	1180	4.5	2.30%	42.0	132
SIX0444760	3.63%	<10	8900	556	0.5	1.13%	14.5	10
SIX0444761	2.85%	<10	1.22%	666	0.5	1.71%	17.0	22
SIX0444762	3.40%	<10	8800	648	0.5	1.77%	22.5	16
SIX0444763	2.69%	<10	1.52%	1060	3.5	1.82%	21.0	32
SIX0444764	3.07%	<10	1.35%	978	0.5	1.48%	19.5	26
SIX0444765	3.72%	<10	8100	886	<0.5	1.59%	15.0	12
SIX0444766	2.99%	<10	9300	690	0.5	1.86%	16.5	16
SIX0444767	2.12%	<10	2.04%	1230	0.5	1.94%	18.0	42
Std Nominal	2.35%		1.77%	1180	54.0	1.30%		74
Determined	2.33%	<10	1.63%	1180	64.0	1.29%	4.5	72
SIX0444768	2.64%	<10	1.23%	994	0.5	2.48%	24.0	24
SIX0444769	2.80%	<10	1.72%	1100	1.0	1.98%	17.0	38
SIX0444770	2.56%	<10	1.52%	1190	0.5	1.56%	16.5	24
SIX0444771	4.06%	<10	4500	328	<0.5	1.50%	9.0	6
SIX0444772	3.36%	<10	7400	662	0.5	2.02%	19.5	10
SIX0444773	3.24%	<10	1.22%	1080	0.5	2.28%	25.0	22
SIX0444774	2.56%	<10	1.09%	692	0.5	2.02%	22.5	18
SIX0444775	2.88%	<10	1.44%	882	1.0	2.07%	20.5	26
SIX0444776	3.32%	<10	6600	410	<0.5	2.19%	16.0	10
SIX0444777	3.01%	<10	6800	668	0.5	2.21%	19.5	10
SIX0444778	3.62%	<10	7100	520	0.5	2.07%	15.0	8
SIX0444779	2.53%	<10	1.46%	950	1.0	1.82%	12.0	12
SIX0444779 Rpt	2.50%	<10	1.45%	942	0.5	1.82%	12.5	14
SIX0444780	2.45%	<10	1.37%	700	1.0	2.28%	13.5	22
SIX0444781	1.69%	<10	1.63%	912	1.5	2.17%	20.0	32
Std Nominal								
Determined	2100	<10	2600	414	1.5	1200	14.5	432
SIX0444782	1.33%	<10	1.95%	1200	0.5	2.23%	13.0	38
SIX0444783	1.31%	<10	2.37%	1510	0.5	2.21%	13.5	46
SIX0444784	2.21%	<10	1.35%	1140	1.0	2.09%	14.5	16
SIX0444784Q	2.41%	<10	3600	6190	31.5	1.08%	10.5	4
BLANK 4	<100	<10	<100	<2	<0.5	200	<0.5	<2
SIX0444785	2.02%	<10	1.94%	1270	5.5	2.19%	14.0	22
SIX0444786	1.93%	<10	1.86%	1210	1.0	2.23%	12.5	22
SIX0444787	2.12%	<10	1.48%	1080	1.5	2.61%	12.0	16
SIX0444788	3.40%	<10	4300	406	1.0	2.40%	8.5	4



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METHOD CODE	MA101	MA101	MA101	MA101	MA102	MA101	MA102	MA101
Determinants	K	Li	Mg	Mn	Mo	Na	Nb	Ni
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	100	10	100	2	0.5	100	0.5	2
SIX0444789	2.36%	<10	9400	694	1.0	2.50%	13.5	24
SIX0444790	2.65%	<10	1.56%	1330	0.5	2.27%	8.0	44
SIX0444791	2.52%	<10	1.26%	710	0.5	2.44%	5.0	48
Std Nominal	3.07%			552	319			38
Determined	3.01%	10	1.49%	562	327	2.02%	15.0	34
SIX0444792	3.40%	<10	7500	780	1.5	2.15%	6.5	8
SIX0444793	3.48%	<10	4600	358	1.0	2.46%	3.0	8
SIX0444794	3.46%	<10	6500	1070	0.5	2.36%	7.5	16
SIX0444794 Rpt	3.43%	<10	6400	1060	0.5	2.34%	7.5	14
SIX0444795	1.78%	<10	1.21%	3120	1.0	2.32%	12.5	18
SIX0444796	2.27%	<10	9300	1400	1.0	2.42%	9.0	12
SIX0444797	2.59%	<10	9300	1050	2.0	2.40%	12.5	4
SIX0444798	2.99%	<10	1.02%	650	2.5	2.32%	8.0	18
SIX0444799	3.68%	<10	1200	140	<0.5	2.36%	4.0	<2
SIX0444800	1.82%	<10	6700	882	2.0	2.13%	29.5	2
Std Nominal	5600		6.85%	2380		6300		1180
Determined	5400	<10	6.84%	2370	1.0	6500	2.5	1190
SIX0444801	1.21%	<10	2.67%	1170	0.5	2.69%	12.5	56
SIX0444802	9100	<10	2.02%	1590	1.0	2.13%	18.0	32
SIX0444803	1.67%	<10	3.22%	1770	<0.5	7500	20.5	10
SIX0444803 Rpt	1.66%	10	3.21%	1790	<0.5	7700	20.5	8
SIX0444804	3.32%	<10	8400	546	<0.5	8600	7.0	4
SIX0444805	3.54%	<10	2000	270	1.0	1.75%	10.0	<2
Std Nominal			4.05%					6930
Determined	6300	<10	4.04%	1120	1.5	2.30%	16.5	7210



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METHOD CODE	MA101	MA102	MA102	MA102	MA101	MA102	MA101	MA102
Determinants	P	Pb	Rb	Re	S	Sb	Sc	Se
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	50	1	0.2	0.1	50	0.1	1	5
BLANK 1	<50	<1	<0.2	<0.1	<50	<0.1	<1	<5
SIX0444659	400	30	8.0	<0.1	950	0.4	35	<5
SIX0444659Q	1000	25	238	<0.1	700	0.8	12	<5
Std Nominal	100	39			600	4.0	33	
Determined	100	42	26.6	<0.1	650	5.0	32	<5
SIX0444660	500	18	8.6	<0.1	1200	0.2	34	<5
SIX0444661	550	34	24.8	<0.1	1400	0.2	30	<5
SIX0444662	100	143	98.2	<0.1	200	0.2	6	<5
SIX0444663	50	161	152	<0.1	550	<0.1	4	<5
SIX0444664	250	731	56.2	<0.1	4.75%	0.5	2	<5
SIX0444665	100	931	1.6	<0.1	3.33%	0.4	<1	<5
SIX0444666	950	770	14.6	<0.1	2.33%	0.4	24	<5
SIX0444667	150	570	5.2	<0.1	2.22%	0.4	<1	<5
SIX0444667 Rpt	150	569	5.0	<0.1	2.25%	0.3	<1	<5
SIX0444668	400	580	32.4	<0.1	3.21%	0.4	2	<5
SIX0444669	<50	386	39.6	<0.1	3.43%	0.4	<1	10
SIX0444670	250	343	9.6	<0.1	2.71%	0.3	<1	10
SIX0444671	50	412	4.2	<0.1	1.82%	0.6	<1	15
SIX0444672	100	198	24.8	<0.1	1.91%	0.3	1	15
SIX0444673	100	163	16.4	<0.1	1.79%	0.2	<1	30
SIX0444674	100	107	9.0	<0.1	1.52%	<0.1	<1	25
SIX0444675	100	134	12.6	<0.1	1.24%	0.2	<1	25
SIX0444676	<50	94	3.8	<0.1	9050	0.2	<1	15
Std Nominal					1.74%			
Determined	1250	5	19.6	<0.1	1.72%	0.3	17	<5
SIX0444677	50	160	29.6	<0.1	1.02%	<0.1	<1	25
SIX0444678	<50	81	3.6	<0.1	3250	<0.1	<1	10
SIX0444679	50	768	6.2	<0.1	1200	0.6	1	30
SIX0444680	<50	136	1.0	<0.1	1200	<0.1	<1	5
SIX0444681	100	88	14.2	<0.1	1.83%	<0.1	3	50
SIX0444682	50	107	15.2	<0.1	4.09%	0.2	<1	50
SIX0444682 Rpt	50	108	15.4	<0.1	4.06%	0.2	<1	50
SIX0444683	<50	193	1.0	<0.1	4.84%	0.3	<1	45
SIX0444684	<50	87	0.4	<0.1	2.65%	0.2	<1	30
SIX0444684Q	2550	5	38.8	<0.1	500	<0.1	18	<5
SIX0444685	350	234	6.0	<0.1	1.68%	0.2	28	15
SIX0444686	<50	77	13.2	<0.1	2.26%	0.2	<1	15
SIX0444687	100	86	11.0	<0.1	1.03%	0.2	<1	5
SIX0444688	350	208	176	<0.1	1150	<0.1	19	<5
SIX0444689	100	72	109	<0.1	350	<0.1	6	<5
SIX0444690	150	49	79.8	<0.1	300	<0.1	7	<5



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METHOD CODE	MA101	MA102	MA102	MA102	MA101	MA102	MA101	MA102
Determinants	P	Pb	Rb	Re	S	Sb	Sc	Se
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	50	1	0.2	0.1	50	0.1	1	5
SIX0444691	500	73	103	<0.1	1350	<0.1	32	<5
SIX0444692	600	35	14.4	<0.1	1650	<0.1	37	<5
SIX0444693	550	66	18.6	<0.1	800	<0.1	31	<5
SIX0444694	550	64	38.6	<0.1	1200	<0.1	34	<5
SIX0444695	700	36	11.0	<0.1	1700	<0.1	41	<5
Std Nominal	600	521	561		2.01%	12.0	15	
Determined	600	523	569	<0.1	1.95%	12.7	15	<5
SIX0444696	750	29	9.4	<0.1	1900	<0.1	40	<5
SIX0444697	950	24	14.4	<0.1	1550	<0.1	31	<5
SIX0444698	150	122	63.0	<0.1	450	<0.1	9	<5
SIX0444699	100	85	66.2	<0.1	150	<0.1	5	<5
SIX0444700	250	223	27.2	<0.1	3.77%	<0.1	9	<5
BLANK 2	<50	2	<0.2	<0.1	<50	<0.1	<1	<5
SIX0444701	<50	390	0.4	<0.1	3.86%	0.2	<1	<5
SIX0444702	750	699	6.6	<0.1	2.35%	0.5	15	<5
SIX0444703	100	159	1.6	<0.1	2.48%	0.2	1	<5
SIX0444704	550	163	66.0	<0.1	1.83%	<0.1	16	<5
SIX0444705	100	3630	3.0	<0.1	3.31%	0.8	<1	20
Std Nominal								
Determined	250	NR	22.8	<0.1	400	0.6	54	<5
SIX0444706	50	1560	74.8	<0.1	4350	0.7	2	30
SIX0444707	150	829	35.8	<0.1	2650	0.5	7	25
SIX0444708	50	119	39.2	<0.1	1300	0.2	<1	5
SIX0444709	100	1030	2.0	<0.1	3500	0.8	<1	10
SIX0444709Q	400	2560	142	<0.1	3.67%	24.9	4	15
SIX0444710	300	420	70.0	<0.1	1200	0.5	16	<5
SIX0444711	500	129	29.8	<0.1	1250	0.2	33	<5
SIX0444712	450	269	50.6	<0.1	1000	0.3	29	<5
SIX0444712 Rpt	450	270	51.0	<0.1	950	0.3	28	<5
SIX0444713	200	23	17.6	<0.1	250	0.2	7	<5
SIX0444714	50	3	0.6	<0.1	<50	<0.1	<1	<5
SIX0444715	<50	2	1.4	<0.1	<50	<0.1	<1	<5
SIX0444716	<50	7	6.2	<0.1	850	<0.1	<1	10
SIX0444717	700	284	52.4	<0.1	1350	0.2	25	25
SIX0444718	100	1530	34.0	<0.1	8900	1.4	1	<5
SIX0444719	200	2210	39.8	<0.1	1.23%	1.3	1	10
SIX0444720	50	1190	53.6	<0.1	5200	0.8	3	<5
SIX0444721	150	665	30.2	<0.1	1700	0.7	3	<5
SIX0444722	<50	339	24.2	<0.1	1950	0.4	2	5
SIX0444723	200	49	118	<0.1	1000	0.2	4	<5
SIX0444724	50	27	63.8	<0.1	600	<0.1	3	<5



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METHOD CODE	MA101	MA102	MA102	MA102	MA101	MA102	MA101	MA102
Determinants	P	Pb	Rb	Re	S	Sb	Sc	Se
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	50	1	0.2	0.1	50	0.1	1	5
SIX0444725	<50	3	0.8	<0.1	<50	<0.1	<1	<5
SIX0444726	600	18	14.0	<0.1	750	<0.1	16	<5
Std Nominal	1000				6650	0.9		5
Determined	1000	26	167	<0.1	6700	0.9	12	5
SIX0444727	50	38	39.2	<0.1	1450	<0.1	<1	20
SIX0444728	250	229	88.4	<0.1	950	<0.1	15	<5
SIX0444729	150	175	86.0	<0.1	4150	<0.1	7	<5
SIX0444730	200	297	80.8	<0.1	3950	0.4	2	<5
SIX0444731	200	193	92.6	<0.1	500	<0.1	9	<5
SIX0444731 Rpt	200	191	92.6	<0.1	500	<0.1	9	<5
SIX0444732	100	35	136	<0.1	200	<0.1	7	<5
SIX0444733	200	18	69.6	<0.1	1200	<0.1	12	<5
SIX0444734	150	21	104	<0.1	350	<0.1	10	<5
SIX0444734Q	300	7980	139	<0.1	3.82%	34.1	4	<5
SIX0444735	500	36	59.0	<0.1	1150	0.4	30	<5
SIX0444736	100	19	124	<0.1	250	0.3	8	<5
SIX0444737	300	28	110	<0.1	650	0.2	16	<5
Std Nominal	100	39			600	4.0	33	
Determined	100	38	25.4	<0.1	600	4.1	31	<5
SIX0444738	250	25	120	<0.1	500	0.2	16	<5
SIX0444739	150	21	146	<0.1	150	0.2	6	<5
SIX0444740	1000	19	115	<0.1	550	0.2	23	<5
SIX0444741	150	23	176	<0.1	250	<0.1	6	<5
SIX0444742	200	27	156	<0.1	350	<0.1	10	<5
BLANK 3	<50	1	<0.2	<0.1	<50	<0.1	<1	<5
SIX0444743	350	12	117	<0.1	500	0.2	19	<5
SIX0444744	150	22	134	<0.1	300	<0.1	9	<5
SIX0444745	200	12	143	<0.1	200	<0.1	12	<5
SIX0444746	200	21	211	<0.1	150	<0.1	7	<5
SIX0444747	200	24	205	<0.1	300	<0.1	9	<5
SIX0444748	150	41	211	<0.1	150	<0.1	3	<5
SIX0444749	350	16	116	<0.1	550	<0.1	20	<5
SIX0444749 Rpt	350	15	114	<0.1	500	<0.1	20	<5
SIX0444750	150	22	202	<0.1	150	<0.1	7	<5
SIX0444751	150	26	191	<0.1	200	<0.1	6	<5
SIX0444752	750	22	140	<0.1	700	<0.1	23	<5
Std Nominal					1.74%			
Determined	1300	4	20.6	<0.1	1.79%	0.2	19	<5
SIX0444753	350	32	223	<0.1	300	<0.1	8	<5
SIX0444754	250	28	165	<0.1	450	<0.1	14	<5
SIX0444755	350	12	129	<0.1	600	<0.1	24	<5



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METHOD CODE	MA101	MA102	MA102	MA102	MA101	MA102	MA101	MA102
Determinants	P	Pb	Rb	Re	S	Sb	Sc	Se
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	50	1	0.2	0.1	50	0.1	1	5
SIX0444756	350	10	105	<0.1	850	<0.1	30	<5
SIX0444757	500	12	156	<0.1	600	<0.1	27	<5
SIX0444758	450	31	196	<0.1	300	<0.1	13	<5
SIX0444759	250	30	183	<0.1	250	<0.1	11	<5
SIX0444759Q	2450	4	40.6	<0.1	450	<0.1	18	<5
SIX0444760	300	22	195	<0.1	250	<0.1	7	<5
SIX0444761	550	22	180	<0.1	250	<0.1	12	<5
SIX0444762	600	28	226	<0.1	150	<0.1	11	<5
SIX0444763	1000	27	207	<0.1	600	<0.1	17	<5
SIX0444764	850	28	215	<0.1	400	<0.1	16	<5
SIX0444765	300	38	224	<0.1	100	<0.1	12	<5
SIX0444766	500	29	218	<0.1	550	<0.1	11	<5
SIX0444767	1050	19	197	<0.1	1750	<0.1	21	<5
Std Nominal	600	521	561		2.01%	12.0	15	
Determined	600	529	567	<0.1	1.94%	12.7	15	<5
SIX0444768	700	28	248	<0.1	1250	<0.1	16	<5
SIX0444769	300	30	218	<0.1	1200	<0.1	17	<5
SIX0444770	550	29	236	<0.1	300	<0.1	20	<5
SIX0444771	300	40	213	<0.1	100	<0.1	5	<5
SIX0444772	600	56	217	<0.1	250	0.2	11	<5
SIX0444773	650	28	229	<0.1	300	<0.1	19	<5
SIX0444774	600	27	214	<0.1	550	<0.1	14	<5
SIX0444775	550	27	222	<0.1	700	<0.1	19	<5
SIX0444776	300	29	202	<0.1	200	<0.1	9	<5
SIX0444777	350	30	186	<0.1	300	<0.1	10	<5
SIX0444778	400	19	190	<0.1	250	<0.1	7	<5
SIX0444779	500	14	135	<0.1	750	<0.1	19	<5
SIX0444779 Rpt	500	13	135	<0.1	750	<0.1	19	<5
SIX0444780	300	14	135	<0.1	400	<0.1	15	<5
SIX0444781	400	11	158	<0.1	250	<0.1	16	<5
Std Nominal								
Determined	250	12	23.0	<0.1	350	0.5	55	<5
SIX0444782	400	9	88.8	<0.1	650	<0.1	22	<5
SIX0444783	600	10	70.0	<0.1	950	<0.1	32	<5
SIX0444784	700	12	132	<0.1	750	<0.1	23	<5
SIX0444784Q	350	2.20%	128	<0.1	10.2%	131	5	<5
BLANK 4	<50	2	0.4	<0.1	<50	<0.1	<1	<5
SIX0444785	650	29	114	<0.1	950	0.8	26	<5
SIX0444786	700	13	115	<0.1	850	0.4	25	<5
SIX0444787	400	13	115	<0.1	500	0.3	20	<5
SIX0444788	100	27	172	<0.1	150	0.3	7	<5



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METHOD CODE	MA101	MA102	MA102	MA102	MA101	MA102	MA101	MA102
Determinants	P	Pb	Rb	Re	S	Sb	Sc	Se
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	50	1	0.2	0.1	50	0.1	1	5
SIX0444789	350	21	167	<0.1	300	0.2	12	<5
SIX0444790	400	13	134	<0.1	450	0.2	17	<5
SIX0444791	200	17	102	<0.1	350	0.2	11	<5
Std Nominal	1000				6650	0.9		5
Determined	950	26	169	<0.1	6500	1.0	12	<5
SIX0444792	150	16	146	<0.1	250	<0.1	6	<5
SIX0444793	100	17	141	<0.1	200	<0.1	5	<5
SIX0444794	300	18	166	<0.1	1250	<0.1	8	<5
SIX0444794 Rpt	300	18	168	<0.1	1250	<0.1	8	<5
SIX0444795	700	12	113	<0.1	400	<0.1	18	<5
SIX0444796	450	14	119	<0.1	350	<0.1	13	<5
SIX0444797	200	28	134	<0.1	500	<0.1	10	<5
SIX0444798	250	23	167	<0.1	300	<0.1	8	<5
SIX0444799	50	28	148	<0.1	<50	<0.1	2	<5
SIX0444800	300	15	136	<0.1	200	<0.1	9	<5
Std Nominal	100	39			600	4.0	33	
Determined	100	40	27.0	<0.1	600	5.1	32	<5
SIX0444801	350	10	75.8	<0.1	300	<0.1	22	<5
SIX0444802	400	10	85.0	<0.1	350	<0.1	20	<5
SIX0444803	700	9	225	<0.1	150	<0.1	23	<5
SIX0444803 Rpt	700	10	227	<0.1	100	<0.1	22	<5
SIX0444804	150	17	168	<0.1	<50	0.2	5	<5
SIX0444805	100	17	155	<0.1	<50	<0.1	4	<5
Std Nominal					1.74%			
Determined	1300	4	20.0	<0.1	1.81%	0.2	19	<5



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA101	MA102	MA102
Determinants	Sn	Sr	Ta	Te	Th	Ti	Tl	U
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.5	0.1	0.2	0.1	50	0.1	0.1
BLANK 1	<0.1	<0.5	<0.1	<0.2	<0.1	<50	<0.1	<0.1
SIX0444659	1.5	98.0	0.2	<0.2	0.8	5250	<0.1	0.3
SIX0444659Q	4.4	302	1.5	<0.2	20.3	5150	1.1	6.6
Std Nominal	1.0	42.0				3400		
Determined	1.6	44.0	0.2	0.2	2.0	3400	0.6	2.3
SIX0444660	1.3	102	0.2	<0.2	0.7	6850	<0.1	0.2
SIX0444661	2.1	106	0.4	<0.2	7.1	6300	<0.1	0.7
SIX0444662	2.2	64.0	0.6	<0.2	24.3	1250	0.6	2.6
SIX0444663	4.3	63.5	0.9	<0.2	24.8	950	0.8	5.3
SIX0444664	22.2	45.5	0.9	<0.2	20.4	450	0.4	9.9
SIX0444665	25.3	21.0	0.3	<0.2	1.7	100	<0.1	1.9
SIX0444666	32.2	61.0	0.9	<0.2	13.9	700	<0.1	10.1
SIX0444667	6.6	16.0	<0.1	<0.2	1.1	100	<0.1	3.2
SIX0444667 Rpt	6.5	16.0	<0.1	<0.2	1.1	<50	<0.1	3.0
SIX0444668	26.0	37.0	0.4	<0.2	1.9	200	0.2	2.4
SIX0444669	35.0	22.5	0.4	<0.2	0.6	100	0.3	1.0
SIX0444670	43.6	72.0	0.7	<0.2	7.9	200	<0.1	11.2
SIX0444671	14.7	2.0	<0.1	<0.2	0.3	<50	<0.1	0.3
SIX0444672	16.6	5.5	0.2	<0.2	0.7	200	0.2	0.5
SIX0444673	13.3	5.0	0.1	<0.2	0.8	100	<0.1	1.5
SIX0444674	10.7	2.5	<0.1	<0.2	0.7	<50	<0.1	1.0
SIX0444675	9.0	2.5	0.1	<0.2	0.3	100	<0.1	0.7
SIX0444676	8.5	1.0	<0.1	<0.2	0.2	<50	<0.1	0.8
Std Nominal								
Determined	1.8	358	1.0	<0.2	2.3	1.03%	<0.1	0.7
SIX0444677	10.9	2.5	0.1	<0.2	1.7	150	0.2	1.5
SIX0444678	6.0	1.0	<0.1	<0.2	0.2	<50	<0.1	0.5
SIX0444679	4.0	1.0	<0.1	<0.2	0.3	<50	<0.1	0.3
SIX0444680	3.1	0.5	<0.1	<0.2	<0.1	<50	<0.1	0.4
SIX0444681	6.7	37.0	0.2	<0.2	7.5	300	<0.1	1.1
SIX0444682	42.6	7.5	<0.1	<0.2	0.7	150	0.2	1.5
SIX0444682 Rpt	41.9	7.5	<0.1	<0.2	0.7	100	0.2	1.0
SIX0444683	44.4	2.0	<0.1	<0.2	<0.1	<50	<0.1	2.0
SIX0444684	27.7	3.5	<0.1	<0.2	<0.1	<50	<0.1	1.5
SIX0444684Q	2.3	762	2.6	<0.2	3.4	1.25%	<0.1	1.5
SIX0444685	28.7	93.0	0.1	<0.2	0.5	5750	<0.1	0.4
SIX0444686	19.0	3.0	<0.1	<0.2	0.6	<50	0.2	1.2
SIX0444687	9.1	2.0	<0.1	<0.2	0.4	<50	<0.1	1.8
SIX0444688	13.6	80.0	1.5	<0.2	29.4	3900	0.8	8.3
SIX0444689	5.0	74.5	1.0	<0.2	21.1	1650	0.5	4.4
SIX0444690	3.0	65.5	0.7	<0.2	19.3	1900	0.3	2.8



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA101	MA102	MA102
Determinants	Sn	Sr	Ta	Te	Th	Ti	Tl	U
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.5	0.1	0.2	0.1	50	0.1	0.1
SIX0444691	3.3	100	0.9	<0.2	10.0	6750	0.5	1.5
SIX0444692	2.9	95.5	0.5	<0.2	1.4	7450	<0.1	0.8
SIX0444693	3.6	103	0.6	<0.2	1.1	6000	<0.1	0.8
SIX0444694	3.3	106	0.6	<0.2	2.5	7200	0.2	0.8
SIX0444695	1.4	98.5	0.2	<0.2	0.7	8350	<0.1	0.2
Std Nominal		104				5100		
Determined	3.0	103	0.3	<0.2	2.6	4900	6.1	0.8
SIX0444696	1.6	98.5	0.3	<0.2	0.8	8650	<0.1	0.3
SIX0444697	1.9	118	0.3	<0.2	1.0	9750	<0.1	0.3
SIX0444698	2.8	134	0.7	<0.2	5.1	1650	0.3	2.1
SIX0444699	2.1	61.0	0.4	<0.2	21.4	1700	0.5	2.4
SIX0444700	11.6	39.5	0.3	<0.2	1.7	2300	0.3	1.0
BLANK 2	0.1	<0.5	<0.1	<0.2	<0.1	<50	<0.1	<0.1
SIX0444701	12.9	26.0	<0.1	<0.2	<0.1	200	<0.1	<0.1
SIX0444702	50.6	73.5	0.3	<0.2	1.7	5150	<0.1	3.3
SIX0444703	16.3	5.0	<0.1	<0.2	2.8	350	<0.1	24.1
SIX0444704	94.8	32.0	0.7	<0.2	1.5	3950	0.6	1.7
SIX0444705	18.1	18.0	<0.1	<0.2	0.4	200	0.3	0.9
Std Nominal								
Determined	2.0	27.5	0.9	<0.2	7.2	9150	0.2	1.8
SIX0444706	14.1	14.0	0.4	<0.2	0.4	450	0.7	0.3
SIX0444707	16.1	97.0	0.4	<0.2	1.0	600	0.3	0.8
SIX0444708	7.3	6.0	0.2	<0.2	1.4	100	0.3	2.1
SIX0444709	4.1	53.5	0.1	<0.2	0.4	150	<0.1	0.9
SIX0444709Q	6.2	148	1.1	3.2	13.0	1550	4.1	5.0
SIX0444710	20.0	87.5	1.1	<0.2	7.4	3100	0.5	6.2
SIX0444711	9.8	77.0	0.4	<0.2	1.6	6350	0.2	0.5
SIX0444712	16.5	93.5	0.6	<0.2	4.4	5800	0.5	2.8
SIX0444712 Rpt	16.1	94.0	0.6	<0.2	4.4	5700	0.5	2.9
SIX0444713	9.9	8.5	0.3	<0.2	0.8	1000	0.2	2.9
SIX0444714	1.3	1.0	<0.1	<0.2	<0.1	<50	<0.1	0.9
SIX0444715	2.4	1.0	<0.1	<0.2	0.2	<50	<0.1	0.6
SIX0444716	2.5	1.5	<0.1	<0.2	0.3	150	<0.1	0.3
SIX0444717	14.4	77.0	0.5	<0.2	2.7	7900	0.5	1.0
SIX0444718	4.4	46.0	0.3	<0.2	2.3	350	0.2	0.9
SIX0444719	18.7	56.5	1.6	<0.2	10.0	450	0.3	7.3
SIX0444720	14.7	53.5	3.5	<0.2	11.4	700	0.3	29.3
SIX0444721	14.2	33.5	0.4	<0.2	4.7	600	0.3	2.1
SIX0444722	3.1	1.5	<0.1	<0.2	0.9	150	0.2	0.4
SIX0444723	10.9	10.5	0.6	<0.2	10.1	1300	0.7	2.1
SIX0444724	15.2	7.5	0.4	<0.2	4.8	500	0.4	0.9



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA101	MA102	MA102
Determinants	Sn	Sr	Ta	Te	Th	Ti	Tl	U
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.5	0.1	0.2	0.1	50	0.1	0.1
SIX0444725	2.4	1.0	<0.1	<0.2	0.4	<50	<0.1	0.2
SIX0444726	5.9	46.5	0.3	<0.2	1.6	6800	<0.1	1.2
Std Nominal								4.0
Determined	7.8	366	1.1	<0.2	14.2	4600	0.8	4.4
SIX0444727	10.2	5.5	<0.1	0.2	0.6	150	0.2	0.3
SIX0444728	13.9	44.5	1.1	<0.2	17.9	3300	0.4	6.1
SIX0444729	10.2	55.0	1.2	<0.2	37.0	2650	1.0	7.9
SIX0444730	5.3	20.5	1.0	<0.2	8.5	650	2.2	12.5
SIX0444731	5.5	73.5	1.1	<0.2	22.4	2300	0.5	3.7
SIX0444731 Rpt	5.3	74.0	1.1	<0.2	23.1	2250	0.5	3.2
SIX0444732	6.0	64.0	1.6	<0.2	28.6	2050	0.6	3.5
SIX0444733	11.8	90.5	2.0	<0.2	34.3	3100	0.3	6.2
SIX0444734	6.9	73.5	1.6	<0.2	39.0	3050	0.5	5.4
SIX0444734Q	4.0	136	1.2	<0.2	13.5	1300	9.9	5.7
SIX0444735	5.4	81.0	0.4	<0.2	3.8	6300	0.4	1.9
SIX0444736	6.2	44.0	1.1	<0.2	19.8	1800	0.5	3.1
SIX0444737	4.7	89.0	0.8	<0.2	29.3	3750	0.5	2.6
Std Nominal	1.0	42.0				3400		
Determined	1.6	43.5	0.2	0.2	2.2	3250	0.6	2.2
SIX0444738	5.7	75.5	1.3	<0.2	26.9	3750	0.6	3.7
SIX0444739	4.7	81.5	0.9	<0.2	19.8	1550	0.7	2.8
SIX0444740	6.3	131	1.1	<0.2	18.6	3850	0.5	3.0
SIX0444741	3.1	105	0.6	<0.2	28.0	1700	0.7	3.2
SIX0444742	3.1	82.0	0.6	<0.2	18.5	2250	0.7	2.4
BLANK 3	0.2	1.0	<0.1	<0.2	<0.1	<50	<0.1	<0.1
SIX0444743	3.3	102	0.7	<0.2	11.8	4200	0.7	2.4
SIX0444744	3.8	84.0	0.9	<0.2	20.0	2250	0.6	1.8
SIX0444745	6.3	68.5	1.1	<0.2	23.6	3150	0.6	3.0
SIX0444746	3.4	77.0	0.8	<0.2	36.3	2200	0.8	3.1
SIX0444747	2.2	80.5	0.6	<0.2	34.0	2400	0.8	3.9
SIX0444748	1.5	64.5	0.4	<0.2	40.6	1000	0.8	17.3
SIX0444749	2.4	104	0.5	<0.2	12.9	4250	0.5	2.2
SIX0444749 Rpt	2.3	103	0.4	<0.2	11.8	4250	0.5	2.3
SIX0444750	3.3	77.5	0.8	<0.2	23.1	1800	0.8	3.0
SIX0444751	2.3	94.0	0.5	<0.2	42.8	1650	0.7	2.9
SIX0444752	3.7	143	0.8	<0.2	53.2	4700	0.6	3.0
Std Nominal								
Determined	1.9	376	1.0	<0.2	2.8	1.05%	<0.1	0.7
SIX0444753	3.6	107	0.7	<0.2	34.8	2300	0.9	3.2
SIX0444754	2.9	94.5	0.4	<0.2	41.3	3150	0.7	2.4
SIX0444755	7.9	110	0.7	<0.2	32.9	5000	0.6	7.9



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA101	MA102	MA102
Determinants	Sn	Sr	Ta	Te	Th	Ti	Tl	U
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.5	0.1	0.2	0.1	50	0.1	0.1
SIX0444756	6.2	103	0.6	<0.2	15.3	5350	0.5	2.1
SIX0444757	6.3	119	1.0	<0.2	8.8	4850	0.7	2.2
SIX0444758	3.7	105	0.9	<0.2	30.1	3100	0.8	3.6
SIX0444759	4.3	92.0	1.0	<0.2	89.4	2150	0.7	4.3
SIX0444759Q	2.2	776	2.5	<0.2	5.0	1.22%	<0.1	1.4
SIX0444760	2.1	93.5	0.6	<0.2	38.1	2000	0.7	2.5
SIX0444761	4.1	117	0.9	<0.2	37.9	3000	0.7	3.1
SIX0444762	4.5	105	1.1	<0.2	53.7	3550	0.9	3.0
SIX0444763	6.6	142	1.2	<0.2	35.7	5500	0.9	3.7
SIX0444764	5.5	109	1.1	<0.2	39.0	5150	0.9	3.6
SIX0444765	4.7	99.0	0.9	<0.2	23.7	2350	0.9	3.9
SIX0444766	6.2	140	1.0	<0.2	37.8	2950	0.9	3.7
SIX0444767	6.7	192	1.2	<0.2	23.2	5950	0.8	3.3
Std Nominal		104				5100		
Determined	2.9	108	0.4	<0.2	3.0	4850	6.2	0.9
SIX0444768	10.3	124	1.4	<0.2	34.4	4400	1.0	4.3
SIX0444769	11.8	76.0	1.2	<0.2	20.8	3550	0.9	3.0
SIX0444770	7.6	87.0	1.0	<0.2	32.5	3650	0.9	2.9
SIX0444771	4.0	87.5	0.5	<0.2	34.7	1500	0.8	3.1
SIX0444772	5.5	124	1.0	<0.2	41.7	3400	0.9	3.2
SIX0444773	6.8	132	1.3	<0.2	37.3	4700	1.0	3.5
SIX0444774	8.8	161	1.2	<0.2	36.0	4000	0.9	3.9
SIX0444775	9.7	147	1.2	<0.2	40.8	4250	0.9	4.4
SIX0444776	6.4	141	0.8	<0.2	38.9	2450	0.8	3.7
SIX0444777	6.7	127	0.9	<0.2	51.6	2700	0.7	4.5
SIX0444778	3.1	108	0.7	<0.2	27.4	2100	0.7	2.6
SIX0444779	7.4	86.5	0.6	<0.2	27.2	5200	0.6	3.1
SIX0444779 Rpt	7.7	87.0	0.7	<0.2	25.8	5150	0.6	3.2
SIX0444780	3.1	83.0	0.7	<0.2	25.0	2950	0.6	2.6
SIX0444781	3.7	83.5	1.0	<0.2	23.9	3550	0.7	2.4
Std Nominal								
Determined	2.2	28.0	0.9	<0.2	8.1	9100	0.2	1.8
SIX0444782	5.9	96.0	0.9	<0.2	10.4	5500	0.4	2.4
SIX0444783	6.7	100	0.9	<0.2	11.7	6750	0.3	2.3
SIX0444784	5.6	85.0	0.7	<0.2	10.7	6100	0.5	1.6
SIX0444784Q	4.0	108	0.8	<0.2	10.8	1400	14.4	5.1
BLANK 4	0.1	<0.5	<0.1	<0.2	<0.1	<50	<0.1	<0.1
SIX0444785	5.7	76.5	0.7	<0.2	11.9	5750	0.5	2.4
SIX0444786	7.8	88.0	0.6	<0.2	11.1	6400	0.4	2.3
SIX0444787	6.3	80.0	0.9	<0.2	16.0	3700	0.4	3.4
SIX0444788	2.1	42.5	0.6	<0.2	18.9	1200	0.6	6.2



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA101	MA102	MA102
Determinants	Sn	Sr	Ta	Te	Th	Ti	Tl	U
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.1	0.5	0.1	0.2	0.1	50	0.1	0.1
SIX0444789	3.8	79.0	0.8	<0.2	26.2	2800	0.6	6.3
SIX0444790	3.4	88.5	0.4	<0.2	10.9	4300	0.5	2.8
SIX0444791	1.8	102	0.3	<0.2	7.4	2400	0.4	3.0
Std Nominal								4.0
Determined	7.7	364	1.1	<0.2	14.6	4350	0.8	4.3
SIX0444792	2.9	82.0	0.6	<0.2	10.0	1250	0.5	5.1
SIX0444793	1.3	62.5	0.3	<0.2	15.6	1050	0.5	3.3
SIX0444794	3.6	95.0	0.5	<0.2	18.7	2100	0.7	2.7
SIX0444794 Rpt	4.0	96.0	0.5	<0.2	19.6	2050	0.7	2.6
SIX0444795	7.2	87.0	0.8	<0.2	18.0	4650	0.4	2.9
SIX0444796	4.3	63.0	0.5	<0.2	21.1	3450	0.4	3.1
SIX0444797	3.5	59.0	0.8	<0.2	25.2	2650	0.6	3.8
SIX0444798	2.2	73.5	0.5	<0.2	16.8	2250	0.7	3.0
SIX0444799	0.9	39.0	0.2	<0.2	13.3	400	0.6	3.0
SIX0444800	4.7	90.0	1.3	<0.2	34.9	2900	0.6	6.3
Std Nominal	1.0	42.0				3400		
Determined	1.6	43.5	0.2	0.2	2.3	3200	0.5	2.3
SIX0444801	5.8	89.5	1.0	<0.2	15.8	4150	0.3	3.5
SIX0444802	7.2	73.0	1.7	<0.2	16.7	4100	0.4	7.0
SIX0444803	5.5	71.0	2.0	<0.2	18.1	6000	0.7	8.8
SIX0444803 Rpt	5.4	70.0	1.9	<0.2	17.6	6050	0.7	9.2
SIX0444804	1.5	71.5	0.4	<0.2	73.5	950	0.6	2.5
SIX0444805	1.9	68.5	0.3	<0.2	35.0	1350	0.6	1.9
Std Nominal								
Determined	1.8	360	1.1	<0.2	3.2	1.07%	<0.1	0.7



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METHOD CODE	MA101	MA102	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	V	W	Y	Zn	Zr	La	Ce	Pr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.5	0.1	2	2	0.1	0.1	0.05
BLANK 1	<5	<0.5	<0.1	<2	<2	<0.1	<0.1	<0.05
SIX0444659	205	<0.5	23.9	142	18	5.9	14.1	1.95
SIX0444659Q	115	3.0	26.5	68	110	41.6	83.7	9.70
Std Nominal	200	22.0	26.0	264				
Determined	200	26.5	26.7	270	48	16.7	46.6	6.00
SIX0444660	250	<0.5	25.3	120	16	6.4	15.2	2.10
SIX0444661	200	<0.5	29.5	132	32	16.9	38.0	4.70
SIX0444662	10	<0.5	26.1	132	106	55.6	114	12.6
SIX0444663	<5	2.0	22.5	102	130	56.4	115	12.8
SIX0444664	10	20.5	52.5	1.11%	46	29.7	62.5	7.25
SIX0444665	<5	3.0	18.9	2.24%	6	3.8	10.6	1.45
SIX0444666	35	20.5	205	1.15%	24	25.0	72.4	11.0
SIX0444667	<5	4.0	7.4	2.23%	2	1.8	5.3	0.75
SIX0444667 Rpt	<5	4.0	6.8	2.26%	2	1.8	5.4	0.75
SIX0444668	10	7.5	43.1	1.36%	8	7.8	21.3	3.05
SIX0444669	<5	4.0	27.8	7940	8	1.9	7.0	1.25
SIX0444670	<5	98.0	33.4	6910	8	19.1	39.4	4.35
SIX0444671	<5	1.5	10.4	6680	<2	1.0	3.0	0.55
SIX0444672	<5	0.5	25.0	8690	2	2.3	7.3	1.20
SIX0444673	<5	5.0	11.5	5520	2	2.4	5.9	0.80
SIX0444674	10	43.5	5.2	2670	2	2.0	4.4	0.55
SIX0444675	10	1.5	5.2	2880	<2	1.6	3.7	0.50
SIX0444676	<5	0.5	5.2	3700	<2	0.7	1.8	0.25
Std Nominal								
Determined	155	0.5	19.5	108	126	16.0	34.3	4.25
SIX0444677	10	1.5	10.4	2390	2	3.0	6.7	0.85
SIX0444678	<5	<0.5	10.5	1730	<2	0.6	1.5	0.20
SIX0444679	<5	<0.5	9.6	1520	<2	0.8	2.2	0.35
SIX0444680	<5	<0.5	7.5	1550	<2	0.6	1.4	0.20
SIX0444681	20	<0.5	34.7	2140	10	12.6	26.9	3.20
SIX0444682	10	104	11.0	6780	6	1.6	4.1	0.60
SIX0444682 Rpt	10	99.0	10.7	6700	4	1.8	4.4	0.55
SIX0444683	10	7.5	7.6	9490	2	1.8	4.8	0.65
SIX0444684	<5	12.5	7.1	7280	<2	2.7	6.8	1.00
SIX0444684Q	205	0.5	19.4	114	198	29.9	61.9	7.35
SIX0444685	200	2.5	21.6	1890	18	4.4	10.3	1.45
SIX0444686	10	3.0	6.9	4070	2	1.9	4.5	0.65
SIX0444687	<5	9.5	8.5	2820	<2	10.9	28.9	3.70
SIX0444688	110	2.0	41.7	354	122	38.9	82.9	9.35
SIX0444689	20	0.5	35.8	66	232	53.8	109	12.2
SIX0444690	25	<0.5	34.1	60	226	52.3	105	11.7



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METHOD CODE	MA101	MA102	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	V	W	Y	Zn	Zr	La	Ce	Pr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.5	0.1	2	2	0.1	0.1	0.05
SIX0444691	215	0.5	61.2	168	34	33.3	81.6	10.5
SIX0444692	240	0.5	46.7	146	24	9.0	24.1	3.50
SIX0444693	200	0.5	53.4	134	22	9.8	25.8	3.70
SIX0444694	225	0.5	44.9	142	20	9.4	24.5	3.45
SIX0444695	265	<0.5	31.3	128	14	7.0	17.5	2.50
Std Nominal	115		16.0	5190				
Determined	120	2.5	16.9	5220	98	11.9	23.2	2.75
SIX0444696	260	<0.5	33.1	142	14	7.4	18.7	2.65
SIX0444697	205	<0.5	34.0	140	10	10.8	25.6	3.60
SIX0444698	55	1.5	28.4	96	24	20.3	41.3	4.60
SIX0444699	<5	<0.5	26.8	116	294	58.9	117	13.2
SIX0444700	65	2.0	26.2	4.47%	22	7.7	17.1	2.25
BLANK 2	<5	<0.5	<0.1	2	<2	<0.1	0.2	<0.05
SIX0444701	<5	3.0	7.6	3.81%	4	2.5	5.7	0.75
SIX0444702	125	19.5	23.3	2.91%	24	7.3	17.8	2.45
SIX0444703	15	21.5	4.8	3.46%	6	2.3	5.0	0.60
SIX0444704	110	1.5	32.0	1.30%	50	19.0	46.7	5.70
SIX0444705	<5	78.5	5.0	3.37%	4	2.2	4.8	0.60
Std Nominal								
Determined	265	2.0	10.6	NR	134	12.7	24.7	2.95
SIX0444706	15	0.5	32.1	4020	6	2.9	9.7	1.65
SIX0444707	45	3.5	26.0	2560	8	6.1	15.5	2.20
SIX0444708	10	1.0	13.7	1470	<2	1.7	3.9	0.55
SIX0444709	<5	5.0	5.8	4220	<2	3.3	6.1	0.70
SIX0444709Q	20	3.5	14.1	1.02%	164	38.8	80.6	9.25
SIX0444710	100	33.5	61.4	738	34	13.8	33.6	4.45
SIX0444711	205	12.5	51.9	222	22	7.7	23.0	3.50
SIX0444712	190	20.5	48.6	290	44	11.1	29.2	3.95
SIX0444712 Rpt	185	19.5	48.4	288	42	10.8	28.9	3.90
SIX0444713	40	11.0	29.9	264	8	3.7	11.6	1.75
SIX0444714	<5	1.5	2.5	244	<2	0.3	0.7	0.10
SIX0444715	<5	4.5	4.1	268	<2	0.8	1.7	0.20
SIX0444716	10	1.0	6.7	340	<2	0.9	2.2	0.30
SIX0444717	200	7.0	35.6	324	30	9.5	22.8	3.20
SIX0444718	<5	12.5	13.3	1.56%	4	12.0	23.0	2.45
SIX0444719	10	42.5	39.6	1.76%	14	14.8	36.6	4.50
SIX0444720	10	60.5	53.8	6060	22	17.9	44.5	5.65
SIX0444721	20	115	21.8	3300	14	10.4	22.0	2.50
SIX0444722	<5	2.5	7.2	2260	6	1.7	3.7	0.45
SIX0444723	25	347	25.2	2220	50	23.7	52.4	6.10
SIX0444724	10	11.5	18.1	1170	40	15.4	33.0	3.95



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METHOD CODE	MA101	MA102	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	V	W	Y	Zn	Zr	La	Ce	Pr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.5	0.1	2	2	0.1	0.1	0.05
SIX0444725	<5	2.0	3.1	1390	6	1.0	2.3	0.30
SIX0444726	120	6.5	25.2	616	40	7.3	19.0	2.70
Std Nominal				92				
Determined	130	3.5	22.7	90	76	31.6	60.9	7.25
SIX0444727	10	21.5	18.6	1890	4	4.7	10.3	1.20
SIX0444728	70	6.5	48.2	218	166	40.0	89.8	10.9
SIX0444729	25	1.5	57.4	1830	296	69.9	149	17.8
SIX0444730	15	2.5	30.6	8570	66	21.8	41.1	4.60
SIX0444731	10	0.5	57.4	374	244	64.5	133	15.5
SIX0444731 Rpt	10	0.5	56.9	356	230	64.0	133	15.4
SIX0444732	10	<0.5	65.8	78	282	64.0	132	15.4
SIX0444733	50	2.5	108	114	296	88.5	194	23.4
SIX0444734	25	1.0	125	144	360	95.3	203	24.1
SIX0444734Q	10	4.5	16.3	3.14%	232	42.4	87.7	10.0
SIX0444735	200	1.5	32.7	268	48	15.0	34.2	4.40
SIX0444736	10	0.5	68.6	76	220	60.5	123	14.2
SIX0444737	90	1.0	46.8	256	122	78.4	157	17.2
Std Nominal	200	22.0	26.0	264				
Determined	200	25.0	27.6	272	46	16.8	45.9	5.85
SIX0444738	75	1.0	87.6	160	206	64.5	137	15.7
SIX0444739	10	1.0	69.7	62	174	55.3	115	13.2
SIX0444740	85	5.0	90.6	152	90	50.4	113	13.8
SIX0444741	10	<0.5	54.7	50	188	59.3	124	14.5
SIX0444742	50	0.5	32.4	52	88	29.3	61.2	7.20
BLANK 3	<5	<0.5	0.2	<2	<2	<0.1	<0.1	0.10
SIX0444743	120	1.0	33.0	94	76	23.0	45.2	5.45
SIX0444744	25	<0.5	32.3	80	134	57.3	116	13.2
SIX0444745	55	1.0	56.8	138	210	62.5	130	15.2
SIX0444746	20	<0.5	42.2	54	228	86.1	172	18.7
SIX0444747	45	<0.5	33.8	44	156	78.3	155	16.7
SIX0444748	10	<0.5	39.4	24	106	43.2	85.4	9.25
SIX0444749	135	0.5	26.4	90	52	20.1	41.1	4.90
SIX0444749 Rpt	135	1.0	25.9	86	50	20.1	41.1	4.90
SIX0444750	20	<0.5	48.6	48	168	51.5	106	12.1
SIX0444751	25	<0.5	34.2	34	118	68.2	135	14.9
SIX0444752	75	0.5	134	94	94	126	258	30.0
Std Nominal								
Determined	160	0.5	20.4	108	132	16.9	35.5	4.35
SIX0444753	35	<0.5	58.1	48	80	62.7	130	14.8
SIX0444754	85	0.5	31.8	52	58	52.9	110	12.6
SIX0444755	150	1.0	48.9	102	44	24.9	53.0	6.50



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METHOD CODE	MA101	MA102	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	V	W	Y	Zn	Zr	La	Ce	Pr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.5	0.1	2	2	0.1	0.1	0.05
SIX0444756	180	1.5	47.3	110	38	22.0	48.4	5.95
SIX0444757	150	1.0	62.7	108	42	19.3	44.6	5.85
SIX0444758	55	<0.5	79.4	84	116	69.7	143	16.8
SIX0444759	40	0.5	51.6	70	108	107	221	25.5
SIX0444759Q	205	<0.5	20.2	100	192	31.0	63.8	7.55
SIX0444760	25	<0.5	31.1	46	102	70.2	136	15.5
SIX0444761	55	<0.5	57.0	66	94	68.3	138	16.3
SIX0444762	40	<0.5	73.6	70	74	103	210	24.7
SIX0444763	80	<0.5	85.2	92	72	87.3	179	20.6
SIX0444764	75	<0.5	80.7	84	48	101	203	23.1
SIX0444765	35	<0.5	74.4	52	62	55.3	114	13.0
SIX0444766	45	<0.5	54.0	66	92	69.6	144	16.7
SIX0444767	115	1.0	52.0	112	102	59.5	124	14.5
Std Nominal	115		16.0	5190				
Determined	115	2.5	17.4	5200	94	11.4	23.8	2.90
SIX0444768	65	0.5	73.2	94	70	91.7	189	22.0
SIX0444769	85	<0.5	43.7	94	58	44.7	92.7	10.8
SIX0444770	70	<0.5	87.5	86	68	67.9	142	16.4
SIX0444771	20	<0.5	50.5	30	60	56.1	119	13.9
SIX0444772	40	<0.5	64.8	70	70	90.0	186	21.8
SIX0444773	65	0.5	80.2	96	54	97.6	199	23.0
SIX0444774	75	0.5	73.2	82	84	81.5	169	19.5
SIX0444775	75	0.5	82.8	92	80	87.7	179	21.0
SIX0444776	35	<0.5	50.0	52	86	70.0	145	16.7
SIX0444777	30	<0.5	80.8	78	146	93.8	194	22.7
SIX0444778	30	<0.5	40.0	44	130	72.9	148	16.6
SIX0444779	135	<0.5	53.4	54	132	49.2	101	11.8
SIX0444779 Rpt	135	<0.5	54.0	54	128	47.6	98.0	11.6
SIX0444780	80	<0.5	36.1	48	88	55.5	113	12.8
SIX0444781	85	<0.5	61.3	56	94	57.5	119	13.6
Std Nominal								
Determined	265	1.0	10.8	36	140	12.9	24.5	3.15
SIX0444782	160	<0.5	61.6	72	108	34.4	72.9	8.70
SIX0444783	220	<0.5	78.0	98	88	37.0	82.7	10.1
SIX0444784	140	<0.5	58.0	108	104	42.5	90.1	10.6
SIX0444784Q	25	9.0	16.8	9.31%	146	34.4	71.6	8.35
BLANK 4	<5	<0.5	<0.1	2	<2	<0.1	0.2	<0.05
SIX0444785	140	<0.5	57.7	200	128	34.5	72.9	9.45
SIX0444786	160	<0.5	63.0	90	124	35.4	71.9	9.20
SIX0444787	100	<0.5	53.0	74	118	35.5	71.0	8.75
SIX0444788	15	<0.5	41.6	34	122	30.1	57.4	7.00



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METHOD CODE	MA101	MA102	MA102	MA101	MA101	MA102	MA102	MA102
Determinants	V	W	Y	Zn	Zr	La	Ce	Pr
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	5	0.5	0.1	2	2	0.1	0.1	0.05
SIX0444789	50	<0.5	47.9	58	130	47.1	90.6	10.8
SIX0444790	125	<0.5	35.2	68	98	27.5	54.2	6.70
SIX0444791	60	<0.5	26.4	44	64	20.5	39.2	4.70
Std Nominal				92				
Determined	130	3.5	22.3	98	78	32.3	61.3	7.45
SIX0444792	35	<0.5	33.5	52	64	18.5	34.8	4.25
SIX0444793	35	<0.5	17.2	16	58	20.2	35.4	4.00
SIX0444794	45	<0.5	24.4	38	92	29.6	56.5	6.50
SIX0444794 Rpt	45	<0.5	24.4	38	86	29.6	57.1	6.50
SIX0444795	95	0.5	70.2	78	148	43.9	90.5	11.1
SIX0444796	75	<0.5	51.6	60	114	34.9	68.3	8.40
SIX0444797	35	<0.5	48.1	170	142	46.4	90.7	11.2
SIX0444798	45	<0.5	29.7	88	92	31.2	59.4	7.15
SIX0444799	<5	<0.5	29.6	10	66	21.7	39.5	4.60
SIX0444800	15	<0.5	135	82	332	88.4	179	22.3
Std Nominal	200	22.0	26.0	264				
Determined	200	26.5	27.9	266	48	17.1	45.6	6.10
SIX0444801	125	1.5	45.8	114	128	37.3	75.0	9.45
SIX0444802	125	1.5	59.3	92	116	43.9	82.3	10.6
SIX0444803	145	3.0	61.4	124	190	72.2	177	17.5
SIX0444803 Rpt	145	2.5	61.0	128	196	72.0	164	17.4
SIX0444804	15	1.5	26.6	32	104	69.3	158	16.1
SIX0444805	<5	<0.5	19.7	34	140	58.6	113	13.4
Std Nominal								
Determined	160	<0.5	19.2	108	130	16.4	34.7	4.45



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA102	MA102	MA102
Determinants	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.05	0.05	0.2	0.02	0.05	0.02	0.05
BLANK 1	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.02	<0.05
SIX0444659	8.85	2.75	0.90	3.6	0.70	4.50	1.00	2.90
SIX0444659Q	35.6	6.70	1.50	5.8	0.90	5.25	1.04	3.00
Std Nominal								
Determined	25.3	5.75	1.70	6.2	0.96	5.60	1.14	3.15
SIX0444660	9.70	2.80	1.00	3.8	0.72	4.85	1.06	3.05
SIX0444661	18.9	4.75	1.15	5.4	0.92	5.85	1.24	3.45
SIX0444662	45.4	8.45	0.75	7.2	1.04	5.65	1.10	3.00
SIX0444663	46.5	8.75	0.75	7.2	1.00	5.40	1.00	2.65
SIX0444664	27.6	6.70	1.45	7.8	1.48	9.25	1.98	5.45
SIX0444665	5.95	1.85	0.60	2.4	0.48	3.30	0.70	1.95
SIX0444666	50.8	20.1	2.10	29.8	6.30	41.4	8.32	22.2
SIX0444667	3.05	0.75	0.45	1.0	0.18	1.10	0.24	0.60
SIX0444667 Rpt	2.95	0.70	0.45	1.0	0.16	1.00	0.22	0.60
SIX0444668	13.6	4.55	1.15	6.2	1.22	7.80	1.56	4.25
SIX0444669	6.55	2.45	1.20	3.6	0.64	4.20	0.80	2.00
SIX0444670	15.5	3.75	1.45	4.6	0.82	5.15	1.02	2.80
SIX0444671	2.65	1.05	0.10	1.6	0.34	2.00	0.40	1.05
SIX0444672	5.90	2.30	0.20	3.4	0.72	4.65	0.94	2.50
SIX0444673	3.35	1.10	0.10	1.6	0.32	2.05	0.42	1.10
SIX0444674	2.10	0.60	0.10	0.8	0.14	0.75	0.16	0.40
SIX0444675	2.15	0.60	0.10	0.8	0.14	0.85	0.16	0.40
SIX0444676	1.05	0.35	0.05	0.6	0.14	0.85	0.18	0.50
Std Nominal								
Determined	18.0	4.55	1.55	4.8	0.72	4.15	0.78	1.95
SIX0444677	3.65	1.00	0.10	1.4	0.26	1.70	0.38	1.00
SIX0444678	1.05	0.45	<0.05	1.2	0.24	1.50	0.32	0.75
SIX0444679	1.60	0.75	<0.05	1.2	0.24	1.50	0.30	0.75
SIX0444680	0.90	0.40	<0.05	0.8	0.16	1.10	0.22	0.60
SIX0444681	12.5	3.15	0.25	4.2	0.82	5.45	1.22	3.45
SIX0444682	2.60	0.90	0.20	1.4	0.24	1.80	0.36	0.90
SIX0444682 Rpt	2.75	0.85	0.20	1.4	0.26	1.70	0.34	0.90
SIX0444683	2.85	0.85	0.20	1.2	0.20	1.20	0.22	0.50
SIX0444684	4.60	1.45	0.25	1.8	0.26	1.30	0.22	0.50
SIX0444684Q	29.0	5.85	1.95	5.6	0.80	4.30	0.80	2.05
SIX0444685	7.10	2.55	0.95	3.4	0.64	4.00	0.84	2.45
SIX0444686	2.60	0.90	0.20	1.2	0.20	1.15	0.20	0.55
SIX0444687	14.6	3.10	0.50	2.6	0.34	1.55	0.26	0.55
SIX0444688	34.0	7.50	1.10	7.4	1.30	7.80	1.62	4.65
SIX0444689	45.5	9.00	1.85	8.2	1.22	7.00	1.40	4.05
SIX0444690	43.6	8.60	1.80	7.6	1.16	6.60	1.38	3.85



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA102	MA102	MA102
Determinants	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.05	0.05	0.2	0.02	0.05	0.02	0.05
SIX0444691	41.5	10.4	1.20	10.8	1.86	11.7	2.42	6.85
SIX0444692	16.0	4.95	1.15	6.6	1.24	8.45	1.84	5.40
SIX0444693	16.9	5.35	1.10	7.2	1.44	9.80	2.10	6.20
SIX0444694	15.7	5.05	1.10	6.6	1.24	8.20	1.74	5.05
SIX0444695	11.9	3.45	1.25	4.6	0.86	5.65	1.24	3.65
Std Nominal								
Determined	11.5	2.95	1.10	3.2	0.56	3.25	0.68	1.90
SIX0444696	12.4	3.65	1.25	4.8	0.88	5.95	1.32	3.85
SIX0444697	16.9	4.90	1.70	6.2	1.02	6.60	1.36	3.85
SIX0444698	16.8	3.75	1.45	4.0	0.76	5.05	1.08	3.25
SIX0444699	49.9	9.10	1.95	7.6	1.06	5.70	1.08	3.00
SIX0444700	10.0	3.10	1.05	4.0	0.74	4.85	0.96	2.70
BLANK 2	<0.05	<0.05	<0.05	<0.2	<0.02	<0.05	<0.02	<0.05
SIX0444701	3.05	0.80	1.35	1.2	0.18	1.10	0.22	0.55
SIX0444702	11.0	3.10	2.10	3.8	0.64	4.00	0.82	2.30
SIX0444703	2.45	0.55	0.85	0.8	0.10	0.65	0.14	0.40
SIX0444704	21.4	5.00	4.20	5.4	0.88	5.30	1.06	2.90
SIX0444705	2.35	0.60	0.50	0.8	0.12	0.70	0.16	0.45
Std Nominal								
Determined	11.1	2.45	0.65	2.4	0.40	2.45	0.48	1.45
SIX0444706	8.30	2.90	0.35	4.2	0.80	5.40	1.12	3.15
SIX0444707	9.95	2.85	0.40	3.4	0.66	4.40	0.92	2.50
SIX0444708	2.30	0.85	0.10	1.4	0.30	2.05	0.46	1.30
SIX0444709	2.55	0.70	0.20	0.8	0.16	0.95	0.20	0.55
SIX0444709Q	34.6	6.80	1.35	5.4	0.70	3.30	0.50	1.10
SIX0444710	18.7	5.80	1.00	7.4	1.54	10.6	2.30	6.60
SIX0444711	16.2	5.15	1.20	6.8	1.48	9.25	2.00	5.85
SIX0444712	16.5	5.00	1.15	6.4	1.26	8.45	1.84	5.40
SIX0444712 Rpt	16.6	4.95	1.20	6.4	1.26	8.50	1.84	5.40
SIX0444713	7.90	2.70	0.35	3.6	0.74	5.30	1.14	3.20
SIX0444714	0.40	0.15	<0.05	<0.2	0.06	0.45	0.10	0.30
SIX0444715	0.75	0.25	<0.05	0.4	0.08	0.65	0.16	0.45
SIX0444716	1.40	0.45	0.05	0.8	0.14	1.00	0.24	0.60
SIX0444717	14.7	4.35	1.25	5.8	0.98	6.55	1.40	3.95
SIX0444718	8.45	1.95	0.40	2.0	0.36	2.15	0.46	1.35
SIX0444719	17.1	4.50	0.65	5.4	1.02	6.80	1.46	4.30
SIX0444720	21.9	6.00	0.75	7.2	1.42	9.35	1.98	5.95
SIX0444721	9.70	2.40	0.45	2.8	0.56	3.75	0.76	2.30
SIX0444722	1.80	0.55	0.05	0.8	0.16	1.20	0.24	0.65
SIX0444723	23.4	5.15	0.55	5.2	0.84	4.85	0.90	2.45
SIX0444724	15.7	3.70	0.35	3.8	0.60	3.60	0.70	1.95



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA102	MA102	MA102
Determinants	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.05	0.05	0.2	0.02	0.05	0.02	0.05
SIX0444725	1.15	0.35	<0.05	0.4	0.08	0.60	0.12	0.30
SIX0444726	12.8	3.65	1.10	4.6	0.78	4.60	0.92	2.60
Std Nominal								
Determined	27.4	5.30	1.25	4.6	0.72	4.25	0.88	2.40
SIX0444727	5.40	1.25	0.25	2.0	0.32	2.10	0.44	1.10
SIX0444728	42.9	9.70	1.80	9.8	1.52	9.05	1.80	5.10
SIX0444729	70.1	15.5	2.45	15.0	2.18	11.8	2.32	6.50
SIX0444730	17.1	3.80	0.65	4.2	0.76	5.00	1.04	3.20
SIX0444731	59.8	12.4	2.75	12.0	1.86	11.1	2.30	6.75
SIX0444731 Rpt	59.5	12.4	2.70	12.0	1.80	10.8	2.30	6.60
SIX0444732	60.5	12.4	2.45	12.2	1.86	11.6	2.58	7.85
SIX0444733	92.5	21.6	3.50	21.2	3.44	21.1	4.36	13.2
SIX0444734	95.9	21.1	3.70	21.2	3.42	21.6	4.94	15.9
SIX0444734Q	36.9	7.00	1.40	5.6	0.76	3.70	0.58	1.40
SIX0444735	18.9	5.15	1.25	6.0	0.94	6.30	1.28	3.65
SIX0444736	54.0	10.9	2.10	11.0	1.88	12.2	2.64	8.00
SIX0444737	61.7	11.8	1.90	11.2	1.70	9.60	1.88	5.05
Std Nominal								
Determined	25.0	5.70	1.90	6.0	0.94	5.55	1.12	3.15
SIX0444738	60.3	13.2	2.30	14.0	2.44	15.6	3.42	10.4
SIX0444739	49.9	10.3	1.70	10.6	1.76	11.7	2.72	8.60
SIX0444740	55.1	12.9	2.00	14.8	2.66	17.1	3.62	10.5
SIX0444741	55.4	11.7	2.15	11.2	1.72	10.2	2.16	6.25
SIX0444742	28.0	6.20	1.55	6.4	1.04	6.20	1.28	3.50
BLANK 3	<0.05	0.10	<0.05	<0.2	<0.02	<0.05	<0.02	<0.05
SIX0444743	21.7	5.20	1.30	5.8	0.98	6.20	1.30	3.65
SIX0444744	50.5	9.80	2.35	8.8	1.22	6.75	1.32	3.60
SIX0444745	58.4	12.0	2.60	12.0	1.84	10.8	2.20	6.40
SIX0444746	67.7	12.2	2.20	10.8	1.54	8.60	1.68	4.60
SIX0444747	57.4	10.1	1.60	8.6	1.28	6.90	1.38	3.60
SIX0444748	32.8	6.80	1.20	7.0	1.16	7.15	1.48	4.15
SIX0444749	18.8	4.60	1.30	4.8	0.78	4.95	1.04	2.95
SIX0444749 Rpt	19.0	4.40	1.25	4.8	0.78	4.95	1.02	2.95
SIX0444750	45.5	9.60	1.75	9.0	1.46	9.00	1.92	5.50
SIX0444751	53.9	10.5	1.80	9.2	1.30	7.35	1.42	3.65
SIX0444752	115	21.8	2.80	20.6	3.24	21.8	5.46	18.5
Std Nominal								
Determined	18.6	4.65	1.60	5.0	0.74	4.30	0.82	2.00
SIX0444753	55.1	11.8	1.75	11.2	1.76	10.6	2.20	6.25
SIX0444754	46.5	10.0	1.60	9.0	1.28	6.85	1.30	3.20
SIX0444755	26.1	6.75	1.30	7.8	1.36	8.95	1.90	5.50



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METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA102	MA102	MA102
Determinants	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.05	0.05	0.2	0.02	0.05	0.02	0.05
SIX0444756	23.8	6.25	1.25	7.2	1.32	8.50	1.80	5.35
SIX0444757	24.1	7.00	1.35	8.4	1.62	10.8	2.42	7.05
SIX0444758	62.6	13.0	2.15	12.8	2.12	13.6	3.08	9.70
SIX0444759	93.1	18.5	1.85	16.4	2.26	11.7	2.08	5.05
SIX0444759Q	30.0	6.10	2.00	5.6	0.78	4.35	0.80	2.05
SIX0444760	57.7	11.3	2.10	10.0	1.32	6.60	1.24	3.15
SIX0444761	60.7	12.1	2.15	11.2	1.74	10.7	2.30	6.75
SIX0444762	92.1	18.6	2.55	16.6	2.48	14.4	2.90	8.25
SIX0444763	76.8	16.1	2.45	15.4	2.50	15.4	3.26	9.60
SIX0444764	86.0	17.3	2.45	15.8	2.44	15.0	3.16	9.40
SIX0444765	48.7	10.7	1.55	10.6	1.80	12.1	2.82	9.50
SIX0444766	61.2	12.9	1.90	11.4	1.74	10.0	2.04	7.60
SIX0444767	54.6	11.2	1.95	10.4	1.66	10.0	2.04	5.85
Std Nominal								
Determined	12.2	3.05	1.15	3.2	0.52	3.35	0.68	1.95
SIX0444768	82.4	16.5	2.25	15.8	2.32	13.9	2.88	8.40
SIX0444769	40.6	8.85	1.25	8.0	1.34	8.10	1.66	4.85
SIX0444770	61.5	12.9	1.80	12.2	2.10	14.3	3.46	11.4
SIX0444771	52.0	12.0	1.80	11.6	1.82	10.0	1.96	5.25
SIX0444772	81.6	17.1	2.30	15.6	2.32	13.1	2.56	7.35
SIX0444773	86.7	17.3	2.55	15.8	2.40	14.6	3.22	10.1
SIX0444774	72.8	15.2	2.15	14.2	2.30	13.7	2.78	8.20
SIX0444775	78.3	15.8	2.20	14.6	2.40	14.8	3.18	9.60
SIX0444776	61.9	12.8	1.65	11.6	1.74	9.90	1.92	5.45
SIX0444777	86.2	18.2	2.10	16.8	2.56	15.0	3.14	9.55
SIX0444778	59.3	11.6	1.90	10.0	1.48	8.15	1.56	4.05
SIX0444779	45.1	9.95	2.20	10.2	1.66	10.1	2.08	5.95
SIX0444779 Rpt	43.9	9.95	2.15	10.2	1.66	10.1	2.10	5.90
SIX0444780	45.9	9.25	1.50	8.0	1.26	7.25	1.42	3.90
SIX0444781	50.7	10.8	1.45	10.6	1.82	11.3	2.34	6.75
Std Nominal								
Determined	12.0	2.55	0.70	2.4	0.42	2.55	0.50	1.55
SIX0444782	34.1	8.25	1.90	9.4	1.68	11.0	2.42	6.95
SIX0444783	39.9	10.4	1.75	12.0	2.20	14.5	3.04	8.75
SIX0444784	40.9	9.60	2.00	10.2	1.74	11.0	2.28	6.55
SIX0444784Q	31.0	6.05	1.35	5.0	0.66	3.55	0.62	1.65
BLANK 4	0.10	<0.05	<0.05	<0.2	<0.02	<0.05	<0.02	<0.05
SIX0444785	37.7	9.40	2.10	10.2	1.78	11.1	2.38	6.75
SIX0444786	36.9	9.20	1.90	10.4	1.84	11.9	2.58	7.45
SIX0444787	33.9	7.90	1.65	8.6	1.52	9.90	2.14	6.25
SIX0444788	27.0	6.25	1.20	6.8	1.18	7.45	1.66	5.00



Reference: aa077891.b Order Number: Page 35 of 41

METHOD CODE	MA102	MA102	MA102	MA102	MA102	MA102	MA102	MA102
Determinants	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detection Limit	0.05	0.05	0.05	0.2	0.02	0.05	0.02	0.05
SIX0444789	39.7	8.60	1.55	8.6	1.50	9.00	1.88	5.40
SIX0444790	25.5	5.70	1.55	6.2	1.04	6.60	1.42	4.20
SIX0444791	18.4	4.35	1.15	4.6	0.80	5.10	1.06	3.05
Std Nominal								
Determined	27.7	5.55	1.30	4.8	0.72	4.35	0.88	2.45
SIX0444792	16.7	4.35	1.45	5.0	0.92	6.20	1.32	4.05
SIX0444793	14.7	3.05	1.45	3.0	0.50	3.15	0.66	1.95
SIX0444794	24.3	4.90	1.60	4.8	0.76	4.65	0.96	2.80
SIX0444794 Rpt	24.2	4.90	1.65	4.8	0.76	4.60	0.98	2.85
SIX0444795	43.5	10.1	1.75	11.2	1.96	12.9	2.78	8.25
SIX0444796	32.0	7.30	1.60	8.0	1.44	9.30	2.04	6.10
SIX0444797	42.4	9.35	2.00	9.4	1.48	9.15	1.92	5.80
SIX0444798	27.2	6.00	1.55	6.2	0.98	5.80	1.20	3.30
SIX0444799	17.3	4.05	1.35	4.6	0.80	5.20	1.16	3.35
SIX0444800	88.1	20.8	3.35	23.2	3.98	25.2	5.48	16.0
Std Nominal								
Determined	25.9	5.90	1.95	6.2	0.96	5.85	1.16	3.25
SIX0444801	37.1	8.45	1.80	8.8	1.44	8.95	1.80	5.30
SIX0444802	41.5	9.40	1.60	10.0	1.68	10.8	2.30	6.80
SIX0444803	68.7	14.8	1.80	14.6	2.12	12.0	2.46	6.35
SIX0444803 Rpt	67.7	14.3	1.75	15.0	2.10	11.6	2.32	6.35
SIX0444804	61.1	11.4	1.75	10.2	1.26	6.25	1.12	2.80
SIX0444805	49.7	9.20	1.95	7.6	1.02	5.15	0.88	2.15
Std Nominal								
Determined	18.6	4.65	1.65	4.8	0.74	4.30	0.80	2.05



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METHOD CODE	MA102	MA102	MA102	FA001	PR002
Determinants	Tm	Yb	Lu	Au*	WetWt
Units	ppm	ppm	ppm	ppm	grams
Detection Limit	0.05	0.05	0.02	0.01	1
BLANK 1	<0.05	<0.05	<0.02	<0.01	NR
SIX0444659	0.45	2.75	0.42	<0.01	2878
SIX0444659Q	0.45	2.80	0.40	<0.01	106
Std Nominal					
Determined	0.45	2.80	0.44	0.06	NR
SIX0444660	0.50	2.90	0.46	<0.01	2970
SIX0444661	0.55	3.25	0.50	<0.01	3938
SIX0444662	0.45	2.60	0.40	<0.01	1333
SIX0444663	0.40	2.35	0.36	<0.01	2872
SIX0444664	0.85	5.95	0.72	0.08	1965
SIX0444665	0.30	1.90	0.28	0.12	1889
SIX0444666	3.05	16.5	2.18	0.05	651
SIX0444667	0.10	0.50	0.08	0.03	1305
SIX0444667 Rpt	0.10	0.50	0.06	0.03	NR
SIX0444668	0.60	3.40	0.46	0.08	3026
SIX0444669	0.30	1.70	0.22	0.15	1176
SIX0444670	0.40	2.45	0.32	0.07	1983
SIX0444671	0.15	0.75	0.10	0.06	2158
SIX0444672	0.35	1.90	0.24	0.06	3444
SIX0444673	0.15	0.95	0.14	0.05	2983
SIX0444674	0.05	0.35	0.04	0.03	3124
SIX0444675	0.05	0.35	0.04	0.03	2903
SIX0444676	0.05	0.40	0.06	0.03	3077
Std Nominal					
Determined	0.30	1.65	0.22	1.11	NR
SIX0444677	0.15	0.85	0.12	0.04	3114
SIX0444678	0.10	0.65	0.08	0.02	2832
SIX0444679	0.10	0.60	0.10	0.16	2932
SIX0444680	0.10	0.50	0.06	0.02	1457
SIX0444681	0.50	3.00	0.40	0.01	1111
SIX0444682	0.15	0.75	0.10	0.17	3846
SIX0444682 Rpt	0.15	0.75	0.10	0.17	NR
SIX0444683	0.05	0.30	0.04	0.21	3069
SIX0444684	0.05	0.30	0.04	0.16	1689
SIX0444684Q	0.30	1.60	0.22	<0.01	107
SIX0444685	0.35	2.25	0.32	0.06	610
SIX0444686	0.10	0.45	0.06	0.06	3858
SIX0444687	0.05	0.40	0.04	0.06	3585
SIX0444688	0.75	4.60	0.70	<0.01	443
SIX0444689	0.60	4.05	0.60	<0.01	1753
SIX0444690	0.60	3.55	0.56	<0.01	2276



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METHOD CODE	MA102	MA102	MA102	FA001	PR002
Determinants	Tm	Yb	Lu	Au*	WetWt
Units	ppm	ppm	ppm	ppm	grams
Detection Limit	0.05	0.05	0.02	0.01	1
SIX0444691	1.10	6.75	0.96	<0.01	3023
SIX0444692	0.85	5.25	0.78	<0.01	3031
SIX0444693	1.00	5.90	0.84	<0.01	2874
SIX0444694	0.80	4.80	0.70	<0.01	2944
SIX0444695	0.60	3.50	0.54	<0.01	3021
Std Nominal					
Determined	0.30	1.85	0.28	3.73	NR
SIX0444696	0.60	3.75	0.56	<0.01	2701
SIX0444697	0.55	3.40	0.50	<0.01	1369
SIX0444698	0.50	3.35	0.50	<0.01	1191
SIX0444699	0.45	2.80	0.46	<0.01	1581
SIX0444700	0.40	2.35	0.32	<0.01	1639
BLANK 2	<0.05	0.10	<0.02	<0.01	NR
SIX0444701	0.10	0.50	0.08	0.03	2581
SIX0444702	0.35	2.10	0.30	0.03	3055
SIX0444703	0.05	0.40	0.06	0.02	1863
SIX0444704	0.45	2.75	0.42	0.05	908
SIX0444705	0.05	0.40	0.06	0.18	2679
Std Nominal					
Determined	0.30	1.45	0.20	8.88	NR
SIX0444706	0.45	2.70	0.36	0.07	850
SIX0444707	0.35	2.25	0.28	0.05	2143
SIX0444708	0.20	1.15	0.16	<0.01	2585
SIX0444709	0.10	0.50	0.08	<0.01	606
SIX0444709Q	0.15	0.80	0.12	0.87	107
SIX0444710	1.00	6.25	0.86	<0.01	2019
SIX0444711	0.90	5.40	0.78	<0.01	2121
SIX0444712	0.85	5.05	0.72	<0.01	2025
SIX0444712 Rpt	0.85	5.10	0.74	<0.01	NR
SIX0444713	0.50	2.95	0.40	<0.01	3069
SIX0444714	<0.05	0.25	0.04	<0.01	3066
SIX0444715	0.05	0.50	0.06	<0.01	3138
SIX0444716	0.10	0.60	0.08	<0.01	1797
SIX0444717	0.60	3.65	0.52	<0.01	783
SIX0444718	0.25	1.50	0.22	0.02	1367
SIX0444719	0.65	4.20	0.60	0.02	1377
SIX0444720	0.95	6.10	0.90	0.02	2237
SIX0444721	0.35	2.15	0.30	<0.01	2251
SIX0444722	0.10	0.65	0.10	<0.01	1300
SIX0444723	0.35	1.90	0.24	0.01	1941
SIX0444724	0.30	1.85	0.26	<0.01	1741



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METHOD CODE	MA102	MA102	MA102	FA001	PR002
Determinants	Tm	Yb	Lu	Au*	WetWt
Units	ppm	ppm	ppm	ppm	grams
Detection Limit	0.05	0.05	0.02	0.01	1
SIX0444725	<0.05	0.30	0.04	<0.01	2171
SIX0444726	0.40	2.30	0.32	<0.01	817
Std Nominal					
Determined	0.40	2.30	0.32	0.04	NR
SIX0444727	0.15	0.80	0.12	0.05	688
SIX0444728	0.80	5.50	0.74	<0.01	1280
SIX0444729	1.00	6.30	0.96	<0.01	2387
SIX0444730	0.55	3.50	0.54	<0.01	976
SIX0444731	1.05	6.45	0.94	<0.01	3300
SIX0444731 Rpt	1.05	6.35	0.94	<0.01	NR
SIX0444732	1.25	8.25	1.26	<0.01	2243
SIX0444733	2.10	13.0	1.90	<0.01	2857
SIX0444734	2.60	16.9	2.72	<0.01	894
SIX0444734Q	0.20	1.10	0.14	0.64	94
SIX0444735	0.55	3.45	0.52	<0.01	2485
SIX0444736	1.25	7.75	1.16	<0.01	970
SIX0444737	0.75	4.55	0.68	<0.01	2848
Std Nominal					
Determined	0.45	2.75	0.42	1.09	NR
SIX0444738	1.60	10.1	1.50	<0.01	4930
SIX0444739	1.45	9.15	1.34	<0.01	2858
SIX0444740	1.50	9.00	1.28	0.03	1393
SIX0444741	0.95	5.85	0.88	<0.01	2614
SIX0444742	0.55	3.35	0.50	<0.01	2202
BLANK 3	<0.05	<0.05	<0.02	<0.01	NR
SIX0444743	0.55	3.50	0.54	0.01	1652
SIX0444744	0.55	3.40	0.56	0.01	1476
SIX0444745	0.95	5.90	0.92	<0.01	2486
SIX0444746	0.65	4.10	0.62	<0.01	2585
SIX0444747	0.50	3.05	0.48	<0.01	2758
SIX0444748	0.60	3.50	0.52	<0.01	2580
SIX0444749	0.45	2.70	0.42	<0.01	2766
SIX0444749 Rpt	0.45	2.65	0.40	<0.01	NR
SIX0444750	0.85	5.40	0.84	<0.01	2795
SIX0444751	0.50	2.95	0.46	<0.01	2346
SIX0444752	3.20	21.5	3.48	<0.01	3363
Std Nominal					
Determined	0.30	1.70	0.24	3.71	NR
SIX0444753	0.90	5.30	0.76	<0.01	2528
SIX0444754	0.45	2.60	0.36	<0.01	2832
SIX0444755	0.80	5.05	0.74	<0.01	2919



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METHOD CODE	MA102	MA102	MA102	FA001	PR002
Determinants	Tm	Yb	Lu	Au*	WetWt
Units	ppm	ppm	ppm	ppm	grams
Detection Limit	0.05	0.05	0.02	0.01	1
SIX0444756	0.80	5.20	0.74	<0.01	2896
SIX0444757	1.10	6.60	0.94	<0.01	2693
SIX0444758	1.55	9.80	1.54	<0.01	2665
SIX0444759	0.70	3.90	0.56	<0.01	3060
SIX0444759Q	0.30	1.60	0.22	<0.01	94
SIX0444760	0.45	2.70	0.40	<0.01	2525
SIX0444761	1.05	6.90	1.02	<0.01	2675
SIX0444762	1.25	7.80	1.12	<0.01	1897
SIX0444763	1.50	9.20	1.36	<0.01	2982
SIX0444764	1.45	9.00	1.32	<0.01	2336
SIX0444765	1.70	11.7	1.80	<0.01	2264
SIX0444766	0.90	5.85	0.88	<0.01	2640
SIX0444767	0.85	5.25	0.76	<0.01	2741
Std Nominal					
Determined	0.30	1.90	0.28	8.84	NR
SIX0444768	1.40	8.55	1.30	<0.01	2806
SIX0444769	0.80	5.05	0.76	<0.01	2863
SIX0444770	2.00	12.8	2.00	<0.01	2547
SIX0444771	0.75	4.50	0.64	<0.01	2501
SIX0444772	1.15	7.30	1.12	<0.01	3148
SIX0444773	1.70	11.2	1.72	<0.01	2747
SIX0444774	1.25	7.95	1.18	<0.01	2662
SIX0444775	1.55	9.70	1.44	<0.01	2879
SIX0444776	0.85	5.15	0.80	<0.01	2656
SIX0444777	1.55	9.35	1.46	<0.01	2664
SIX0444778	0.60	3.25	0.48	<0.01	2771
SIX0444779	0.90	5.35	0.82	<0.01	2765
SIX0444779 Rpt	0.90	5.40	0.82	<0.01	NR
SIX0444780	0.60	3.40	0.50	<0.01	2738
SIX0444781	1.00	6.00	0.84	<0.01	2574
Std Nominal					
Determined	0.25	1.45	0.22	0.08	NR
SIX0444782	1.10	6.90	1.00	<0.01	2994
SIX0444783	1.30	7.95	1.16	<0.01	2777
SIX0444784	1.00	5.90	0.88	<0.01	3081
SIX0444784Q	0.25	1.45	0.20	1.44	107
BLANK 4	<0.05	<0.05	<0.02	<0.01	NR
SIX0444785	1.05	6.40	0.94	<0.01	2806
SIX0444786	1.10	6.85	1.02	<0.01	2903
SIX0444787	0.95	6.15	0.94	<0.01	2841
SIX0444788	0.80	5.10	0.80	<0.01	2787



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METHOD CODE	MA102	MA102	MA102	FA001	PR002
Determinants	Tm	Yb	Lu	Au*	WetWt
Units	ppm	ppm	ppm	ppm	grams
Detection Limit	0.05	0.05	0.02	0.01	1
SIX0444789	0.85	5.25	0.80	<0.01	2801
SIX0444790	0.65	4.10	0.62	<0.01	3061
SIX0444791	0.45	2.85	0.44	<0.01	2828
Std Nominal					
Determined	0.40	2.30	0.36	1.11	NR
SIX0444792	0.65	3.90	0.60	<0.01	2879
SIX0444793	0.30	1.95	0.30	<0.01	2651
SIX0444794	0.45	2.75	0.42	<0.01	2864
SIX0444794 Rpt	0.45	2.80	0.44	<0.01	NR
SIX0444795	1.30	7.95	1.18	<0.01	2953
SIX0444796	0.95	5.80	0.90	<0.01	2996
SIX0444797	0.90	6.20	0.94	<0.01	2928
SIX0444798	0.50	3.25	0.48	<0.01	2475
SIX0444799	0.55	3.30	0.52	<0.01	2701
SIX0444800	2.45	15.1	2.36	<0.01	2869
Std Nominal					
Determined	0.50	2.85	0.44	3.87	NR
SIX0444801	0.85	5.20	0.92	<0.01	2928
SIX0444802	1.10	7.05	1.04	<0.01	3012
SIX0444803	1.05	6.45	0.94	<0.01	1455
SIX0444803 Rpt	1.00	6.25	0.94	<0.01	NR
SIX0444804	0.40	2.30	0.34	<0.01	953
SIX0444805	0.30	1.70	0.24	<0.01	3717
Std Nominal					
Determined	0.25	1.60	0.22	8.74	NR



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These results pertain to the samples as received at this laboratory.

Where standards are reported, the nominal value for the element is reported above the result found.

"NR" Implies result is not required for this determination

"%" Implies this result reported in %

Sample Storage

The excess material (Residue) will be held after 30 days

The pulp samples (Pulp) will be held after 60 days as per instructions.

Sample Preparation

Digest and Analysis:

The sample(s) have been digested and refluxed with a mixture of Acids, including: Hydrofluoric, Nitric, Hydrochloric and Perchloric Acids. This extended digest approaches a total digest for many elements however, some refractory minerals are not completely attacked.

Al, Ba, Ca, Cr, Cu, Fe, K, Li, Mg, Mn, Na, Ni, P, S, Sc, Ti, V, Zn, Zr

have been determined by Inductively Coupled Plasma (ICP) Optical Emission Spectrometry.

Ag, As, Be, Bi, Cd, Ce, Co, Cs, Dy, Er, Eu, Ga, Gd, Hf, Ho, In, La, Lu, Mo, Nb, Nd, Pb, Pr, Rb, Re, Sb, Se, Sm, Sn, Sr, Ta, Tb, Te, Th, Tl, Tm, U, W, Y, Yb

have been determined by Inductively Coupled Plasma (ICP) Mass Spectrometry.

The samples have been analysed by Firing a 40 gm (approx) portion of the sample. Lower sample weights may be employed for samples with very high sulphide and metal contents. This is the classical fire assay process and will give total separation of Gold, Platinum and Palladium in the sample. (Test Method MC-FA-01)

Au

have been determined by Atomic Absorbtion Spectrometry.

(*) Assays on this report are covered under the NATA scope of accreditation.